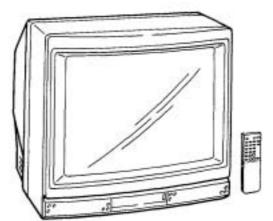
KV-27TS20

SERVICE MANUAL



US Model

Chassis No. SCC-A05P-A

Canadian Model

Chassis No. SCC-A50G-A

P-3A CHASSIS

Note: The service manual for RM-757 has been issued separately.

MODELS OF T	HE SAME SERIES	
KV-27TX10		

SPECIFICATIONS

Television system American TV standards

Channel coverage VHF: 2–13

UHF: 14-69 Cable TV: 1-125

Picture tube Microblack Trinitron tube

27-inch picture measured diagonally

28-inch picture tube measured

diagonally

Input VIDEO INPUT (phono jacks)

Video: 1 Vp-p, 75-ohms unbalanced, sync negative

Audio: 500 mVrms (100% modulation)

Impedance: 47 kilohms
Output AUDIO OUTPUT (VARIABLE) (phono

jacks)

More than 408 mVrms at the maximum volume setting (variable)

(100% modulation) Impedance: 10 kilohms

Power requirements 120 V AC, 60 Hz Power consumption 160W (max.)

5W (in standby condition)

Dimensions Approx. $672 \times 650 \times 524.5 \text{ mm (w/h/d)}$

Weight 49Kg

Sound output 3W x 3W (music power)



Accessories supplied

Remote Commander RM-757 with 2 size AA batteries Antenna connector .

Optional accessories

UIV mixer EAC-66

Connecting cord VMC-810S/820S RK-C74/150

Design and specifications subject to change without

notice.

TRINITRON®COLOR TV

TABLE OF CONTENTS

Secti	on <u>Title</u>	Page	Section	on <u>Title</u>	Page
1.	GENERAL		5.	CIRCUIT ADJUSTMENTS	
1-1.	Location of Contorls	4	5-1.	A Board Adjustments	18
1-2.	Timer/Block	4			
1-3.	Presetting TV Channels	6	6.	DIAGRAMS	
1-4.	Watching TV Programs	7	6-1.	Block Diagram	21
_				Circuit Boards Location	26
2.	DISASSEMBLY		6-3.	Schematic Diagram	27
2-1.	Rear Cover Removal	8	6-4.	Printed Wiring Boards	31
2-2.	A Board Removal	8	6-5.	Semiconductors	38
2-3.	Service Position	9			
	Picture Tube Removal	10	7.	EXPLODED VIEWS	
2-5.	Removal of Anode Cap	10	7-1.	Rear Cover	39
_			7-2.	Picture Tube	40
3.	SET-UP ADJUSTMENTS				
3-1.	Beam Landing	11	8.	ELECTRICAL PARTS LIST	41
3-2.	Convergence	12			
3-3.	Focus Adjustment	14			
3-4.	White Balance	14			
4.	SAFETY RELATED ADJUSTMENT	15			

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

① ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

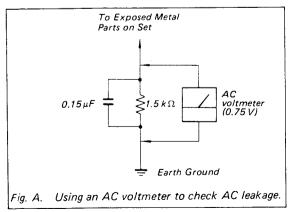
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE A SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US MODEL ONLY)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cord for cracks and abrasion.
 Recommend the replacement of any such line cord to the customer.
- Check the condition of the monopole antenna (if any).
 - Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
- 8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



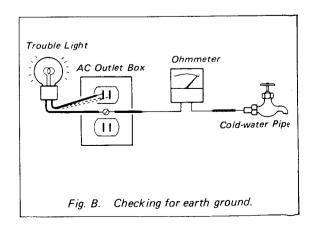
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop acfoss a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

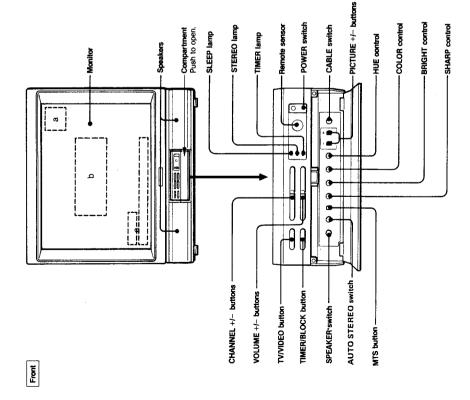
HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



SECTION 1 GENERAL

1-1. LOCATION OF CONTORLS



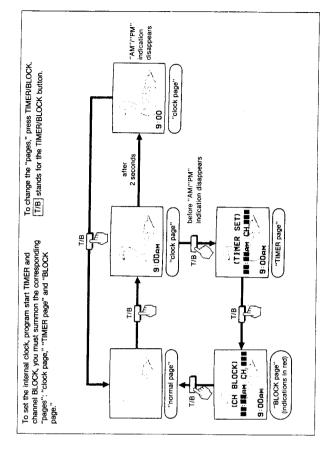
- MTS mode indication
 "MUTING", "SLEEP" or "VIDEO" mode indication
 - b) "AUTO PROGRAM", "TIMER" or "TIMER BLOCK"
- c) Bar display for volume or picture adjustment
 Current time for Timer/Block.

1-2. TIMER/BLOCK

Available functions

Once the internal clock is set, the current time will appear on the screen. It is necessary to set the clock correctly to activate the program start TIMER and channel BLOCK. Makes a program of your choice appear on the screen automatically at the desired time. Blocks a channel from appearing on the screen for 12 hours. Use channel BLOCK to prevent children from watching undesirable programs. Program start TIMER Channel BLOCK Internal clock

The buttons used for the above functions are located on the Remote Commander.



- All settings will be erased from the unit's memory if the unit is unplugged, or if a power failure occurs.
 The TIMER and BLOCK will operate only if the clock is set correctly.
 If the TIMER and BLOCK are set for overlapping times on the same channel, the blocked channel will appear on the screen at the time set on the TIMER.

How to Set the Internal Clock

Example: To set the clock to 8:05 PM

Press TIMER/BLOCK once to change from "normal page" to "clock page."



"clock page"

Press 0, 8, 0, 5, AM/PM (0



The numbers will "wink" to indicate that the clock has been set. (The 0 in front will disappear.) if you have performed the operation correctly, press ENTER



has been set.

if you have made a mistake, press CLEAR and return to

The "AM/PM" indication will disappear after 2 seconds.

To summon "TIMER page," press TIMER/BLOCK before the "AM" "PMP" indication disappeas.

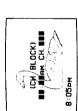
To return to "normal page," press TIMER/BLOCK after the "AM" "PM" indication has disappeared.

How to Set the Channel BLOCK

Make sure that the clock has been set correctly before setting the channel BLOCK.

Example: To set the BLOCK for a program which begins at 9:30 AM on channel 8

Press TIMER/BLOCK three times to change from "normal page" to "BLOCK page."



"BLOCK page" (indications in red)

indication disappears and

before the "AM"/"PM" 2 Press TIMER/BLOCK

summon "TIMER page."

CCH BLOCK)
9: 200m CH 8

Press 0, 9, 3, 0, ENTER (0 indicate that the time has Numbers will "wink" to indicate that the channel Numbers will "wink" to

Press 8, ENTER (0 not

necessary). been set.

necessary).

If you have made a mistake, press CLEAR and return to step 2. The BLOCK has now been set.

At the preset time, the picture of the selected channel will be blocked from view and the sound will be muted. A red "BLOXCED" indication will appear on the screen while the channel is blocked. Vormal reception will be resumed after 12 hours.

How to Set the Program Start TIMER

Make sure that the clock has been set correctly before setting the program start TIMER. Example: To set the TIMER for a program which begins at 10:30 PM on channel 12

1 Press TIMER/BLOCK once to change from "normal page" to "clock page."



"clock page"

playback, or even if you have turned off the TV.

At the preset time, the selected channel will appear on the screen and the TIMER lamp will go out. The TIMER will operate whether you are watching a TV program or a VCP If you have made a mistake, press CLEAR and return to has been set. step 3.

The TIMER lamp will light up to indicate that the TIMER

If no button is pressed within 2 hours after the preset time, an "OFF" indication will appear on the screen for 1 minute. If a button is still not touched during the 1 minute, the TV will turn off automatically as a safety precaution.



.05pm ö

Numbers will "wink" to indicate that the time has been set.

3 Press 1, 0, 3, 0, AM/PM,

(TIMER SET)

8:05pm

indicate that the channel has been set.

Numbers will "wink" to

necessary).

Press 1, 2, ENTER (0 not

If you want to preset the same channel at the same time for a future date, press TIMER OFF/REPEAT. The TIMER lamp will light up to indicate that the TIMER has been reactivated. The TIMER operates only once, but the time and the channel will remain in the unit's memory.

If you want to deactivate the TIMER, press TIMER OFFIREPEAT again so that the TIMER lamp goes out.
It is not necessary to summon "TIMER page" to use the TIMER OFFIREPEAT button. Furthermore, this button is effective even if the TV has been turned off.

To clear the TIMER setting, summon "TIMER page" and press CLEAR. To reset, clear the setting and follow the steps from step 3.

To reset the clock, summon "clock page" and press CLEAR before the "AM"/"PM" indication disappears. Then follow the steps above from step 2.

12:00 AM stands for midnight. 12:00 PM stands for noon.

To return to normal reception while the channel is blocked, recall "BLOCK page" and press CLEAR.

The BLOCK setting blocks a specified channel for the same 12-hour period everyday.

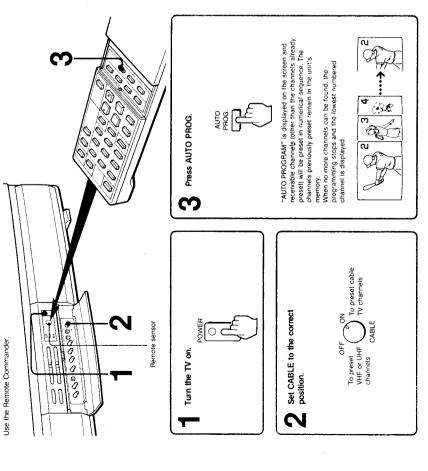
CLEAR.

To reset, clear the setting and follow the steps above from step 2. To clear BLOCK setting, summon "BLOCK page" and press

1-3. PRESETTING TV CHANNELS

ERASE

To preset only the desired channels —manual programming



To add the channels that could not be preset with this automatic programming because their signal strength was too weak, or to ease unnecessary channels, follow the steps in "To preset only the desired channels" on the next page.

Receivable channels of this TV are:

2.13 Cable: 1-125

VHF.

To check preset channels

Press CHANNEL +/-

To add the channels that could not be preset with this automatic programming because their signal strength was too weak, or to erase unnecessary channels, follow the steps in "To preset only the desired channels":

channel number display. This 2 Press ERASE
A "-" appears for a moment to the left of the on-screen To erase unnecessary channels Repeat steps 1 and 2 for other channels to be erased. 9 Select the channel to be channel has now been erased from the channel To add other channels Repeat steps 1 to 2. scan memory. Channel number buttons channel number display. This channel has now been added A "+" appears for a moment to the left of the on-screen to the channel scan memory. 43 Care J 2 Press ADD. Press the channel number button(s) and then ENTER to select the channel to be added.

When a VHF or UHF channel is erased
The cable TV channel with the same number is also erased and vice versa.

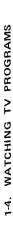
Pay cable TV systems use scrambled or encoded signals and require special converters (decorders) in addition to the normal cable connection.

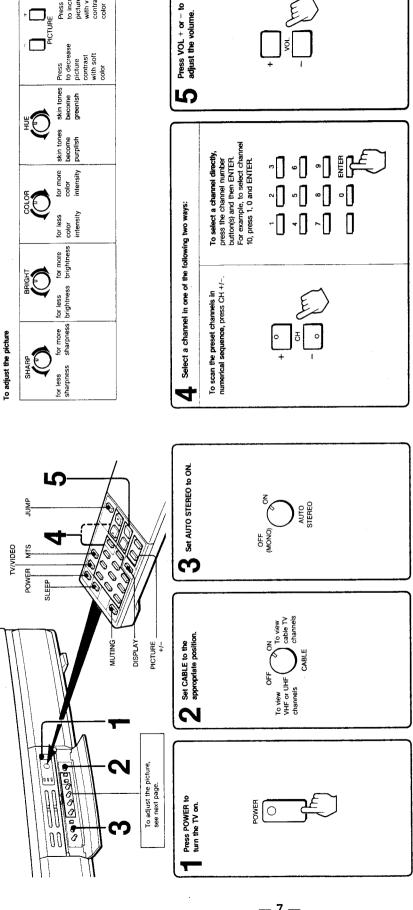
Cable TV channel chart* Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to the chart below.
--

 Number on this TV
 1
 6
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30

 Corresponding CATV channel
 A=8
 A=7
 A=6
 A=8
 C
 D=6
 F=6
 H=1
 J=K=1
 M=0
 P=0
 O=0
 O=0
 A=0
 A=0

 The designation of the cable TV channels conforms to the EIA/NCTA recommendation. Check with your local cable TV company for more complete information on the available channels.





Press to increase picture with vivid contrast

To switch quickly between 2 channels.

Press JUMP. Each time JUMP is pressed, the channel which appeared on the screen directly before is recalled. This button enables you to keep track of two programs alternately.

To mute the sound Press MUTING. Indication will appear on the screen, To restore the sound, press MUTING again or VOL +I-.

To keep the channel display on the screen Press DISPLAY.

To have the TV turn off automatically after about 1 hour press SLEEP. The "SLEEP" indication will appear on the screen for a few seconds and the SLEEP lamp on the TV will remain it until the TV is turned off.

To cancel the SLEEP timer, press SLEEP again so that the SLEEP lamp goes out, or turn off the TV.

To turn off the system Press POWER again.

When receiving a Mutitchannel TV Sound program
Each time MTS is pressed, MMIN, SAP (Second Audio Program),
or both are selected in sequence. The corresponding indication
will appear on the screen for a while. If noise makes it hard to receive a very weak TV stereo program Set AUTO STEREO on the TV to OFF so that the STEREO lamp $\,$

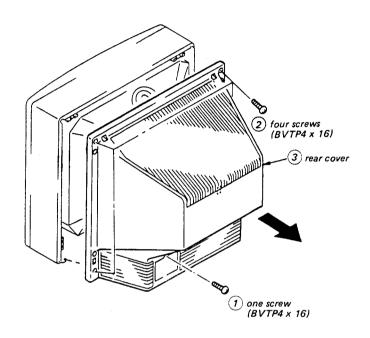
goes off.

The stereo effect will be cancelled, but reception will be stabilized and the noise will be reduced.

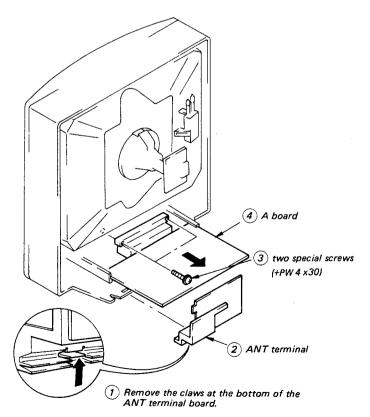
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

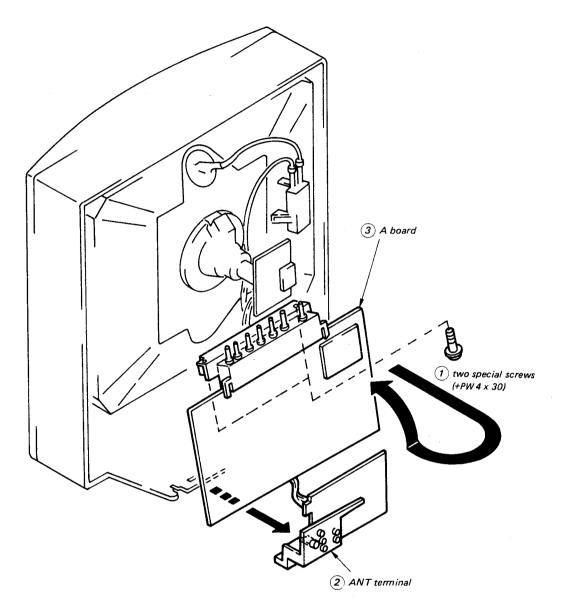
Note: Incase a REAR COVER HOLDER is broken, secure the REAR COVER using a cross-head BVTP4 x 16 screw.



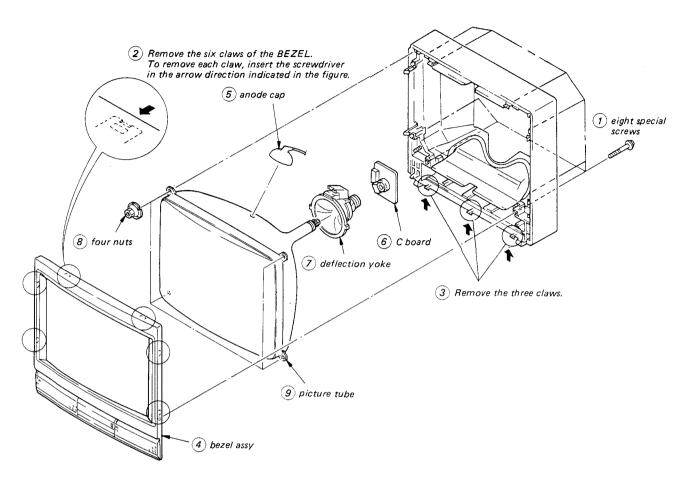
2-2. A BOARD REMOVAL



2-3. SERVICE POSITION

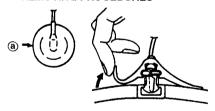


2-4. PICTURE TUBE REMOVAL

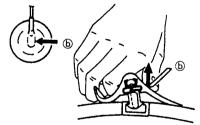


2-5. REMOVAL OF ANODE CAP

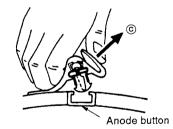
- REMOVAL OF ANODE-CAP
- REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.



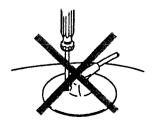
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

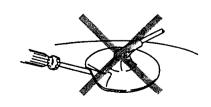


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 - A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control RESET

BRIGHTNESS control center

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

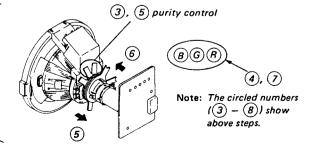
Note: Test Equipment Required.

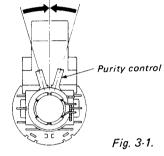
- 1. Color-bar/Pattern Generator
- 2. Degausser

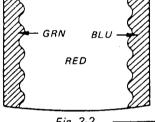
3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.
- 1. Turn on set power supply and receive an all-white signal.
- 2. Evenly degauss the entire screen.
- 3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Figure 3-1.
- 4. Set BKG VR ② to maximum and set ③ and ⑥ to minimum.
- 5. Move the deflection yoke back, and adjust the purity control so that ② is in the center and ③ and ③ are at the sides, evenly. (Figure 3-2.)
- 6. Move the deflection yoke forward so that the entire screen is red.
 - * If the detlection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
- 7. Substitute **(G)**, then **(B)** for **(C)** in step 4 and check landing.
- 8. Rotate **3**, **6** and **3** once each and check landing.
- When landing is not right, adjust the purity control and use magnets as shown in Figure 3-3. then repeat steps 7 and 8.
- 10. When a magnet is used, be sure to perform step 2, and tighten deflection yoke mounting screw loosely.







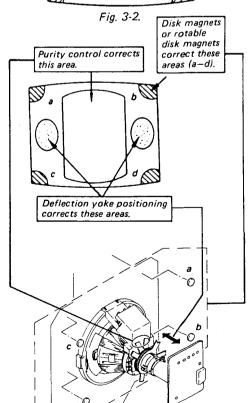


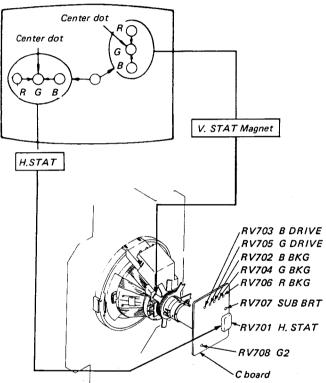
Fig. 3-3.

3-2. CONVERGENCE

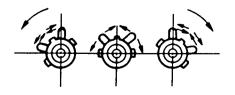
Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

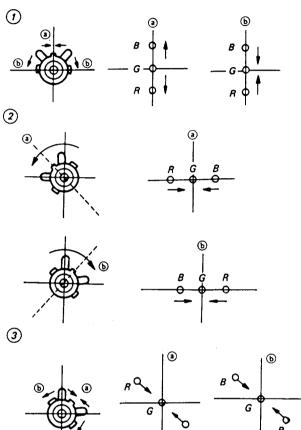
(1) Horizontal and Vertical Static Convergence



- Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
- Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
- 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

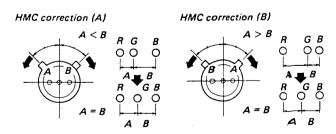


4. When the V. STAT magnet is moved in the direction of aroow (a) and (b), Red, Green and Blue dots move as shown below.



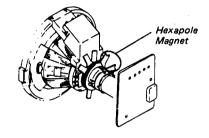
HMC and VMC correction for Hexapole Magnet.

 HMC (Horizontal, Mis, convergence) correction and motion of the Electron Beam with the Hexapole Magnet.



VMC (Vertical, Mis, convergence) correction and motion of the Electron Beam with the Hexapole Magnet.

 $C < D \qquad C = D \qquad C > D \qquad C = D$ $C < D \qquad C = D \qquad C > D \qquad C = D$ $C > D \qquad C = D$



(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
 - 1. Loosen deflection yoke screw.
 - 2. Remove deflection yoke spacers.
 - 3. Move the deflection yoke for best convergence as shown in Fig. 7.
 - 4. Tighten the deflection yoke screw.
 - 5. Install the deflection yoke spacers.

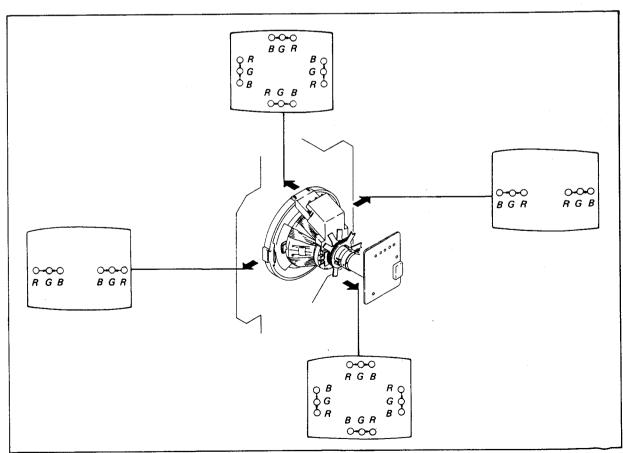
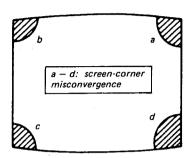
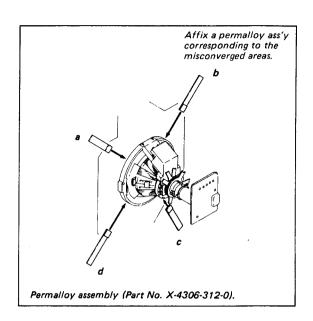


Fig. 7

(3) Screen-corner Convergence





3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.

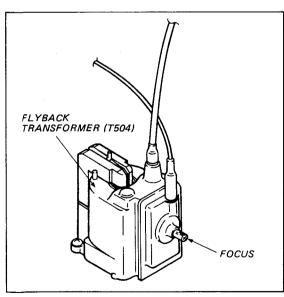


Fig. 15

3-4. WHITE BALANCE

Feed in the cross-hatch pattern.

- 1. Set the PICTURE and BRIGHT controls to minimum position (fully counterclockwise).
- 2. Turn B. DRIVE and G. DRIVE controls fully clockwise.
- Set B. BKG, G. BKG and R. BKG controls to mechanical center.
- 4. Turn SCRN control slowly to obtain a faintly visible cross-hatch. Note the color that first becomes visible by turning SCRN control. Do not turn a BKG control for this color.
- 5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
- Set the PICTURE and BRIGHTNESS controls to maximum position (fully clockwise).
 Observe the screen and adjust the DRIVE controls for best white balance.
- 7. Repeat Steps 1 through 6 several times.

H CENT ADJUSTMENT (A-18)

- 1. Receive a cross-hatch signal.
- 2. Set PICTURE and BRIGHT to normal.
- 3. Adjust H.CENT (H.CENT TAP = A-18) for best picture.

BALANCE ADJUSTMENT (RV291)

- 1. Receive 400 Hz (100 % modulation) sound signal.
- 2. Sound volume ····· 80 %
- 3. Connect an oscilloscope to the pin ① and pin ② of A-7 connector.
- 4. Adjust RV291 (BALANCE) to be the same level.

V.CENT ADJUSTMENT (\$501)

- 1. Receive a cross-hatch signal.
- 2. Set PICTURE and BRIGHT to normal.
- Adjust V.CENT (S501) and V.SIZE (RV507) for best picture.

SUB CONTRAST ADJUSTMENT (RV307)

1. Receive a color-bar signal.

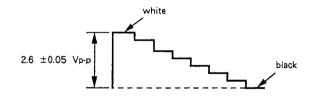
PICTURE MAX

BRIGHT CENTER

COLOR MIN

SHARP MIN

- Short circuit between Base of Q354 and 9.3V Line with a jumper wire.
- 3. Draw A-8 connector. (Short circuit R352.)
- Connect an oscilloscope to the pin @ of A-8 connector (blue out).
- 5. Adjust RV307 (SUB CONT) so that voltage is 2.6 ± 0.05 Vp-p.

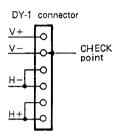


H.RREQ ADJUSTMENT (RV501)

- 1. Receive an off-air signal.
- Short circuit between pin @ of IC301 (H IN) and pin @ of IC301 (VCC 2) with a jumper wire.
- Connect the frequency counter across Base of Q550 and ground.
- 4. Adjust RV501 for 15,734 kHz \pm 50 Hz on the frequency counter.
- 5. Disconnect a jumper wire from IC301.

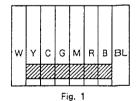
V.FREQ ADJUSTMENT (RV502)

- 1. Receive an off-air signal.
- Short circuit between pin @ of IC301 (V IN) and pin @ of IC301 (VCC 2) with a jumper wire.
- Connect the frequency counter across DY-1 connecto (V.DY ⊕) and ground.
- 4. Adjust RV502 for 55.0 \pm 0.3 Hz on the frequency counter.
- 5. Disconnect a jumper wire from IC301.



CHARACTER POSITION (T101)

- 1. Receive a color-bar signal.
- Set the PICTURE control to maximum setting and se the BRIGHT control to center click position.
- Press the PICTURE control button until this picture leve becomes maximum.
- 4. Ajust T101 as shown in Fig. 1.



PICTURE BLANKING CONFIRMATION

The following adjustments should always be performed wher replacing the following components.

Regarding components of %R388.

IC301, D506, R341, R344, R378, R379, R380, R382, R383 PM501

- Connect the variable auto-tranceformer to AC line and turn the POWER switch ON.
- 2. Receive monoscope signal.
- Set the PICTURE control in to 80 % and the BRIGHT control to center click position.
- Connect the digital voltmeter to TP91 (135V : A-1² connector).
- 5. Connect the AC voltmeter to A-10 connector.
- Slowly decrease the AC power supply voltage by the variable auto-transformer and confirm that the picture is blanked when the voltage at TP91 is more than 107.9 Vdc.

V.SIZE CONFIRMATION

The following adjustments should always be performed when replacing the following components.

Regarding components of % R555 (V.SIZE).

DY, IC301, R514, R515, R555, R556, T504, RV507

- Turn the POWER switch ON, and receive monoscope signal.
- Set the PICTURE control in to 80 % and the BRIGHT control to center click position.
- Adjust RV507 (V.SIZE) so that the V.SIZE becomes minimum, and confirm that the raster size is 29 cm or more.

H.SIZE CONFIRMATION

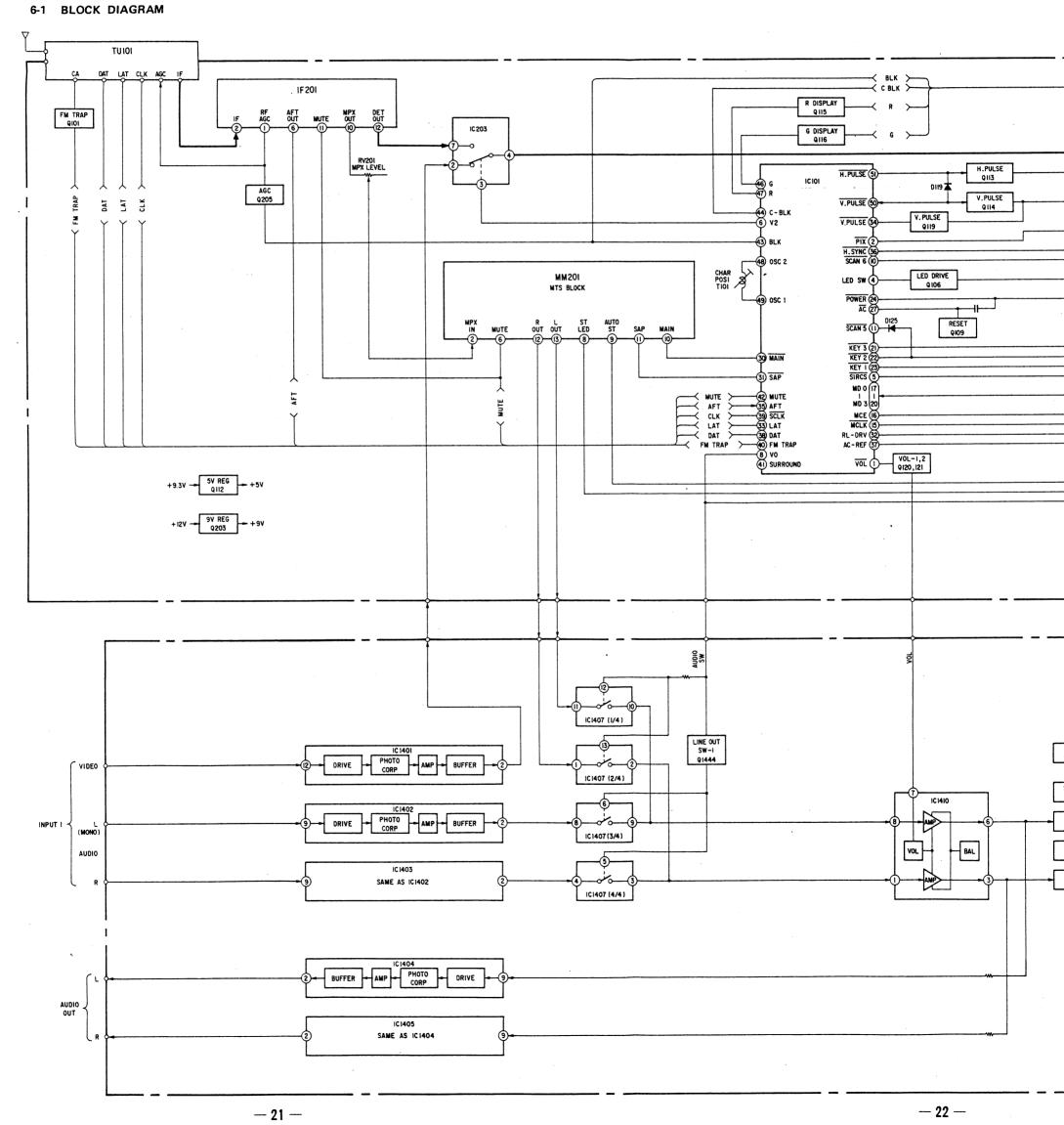
The following adjustments should always be performed when replacing the following components.

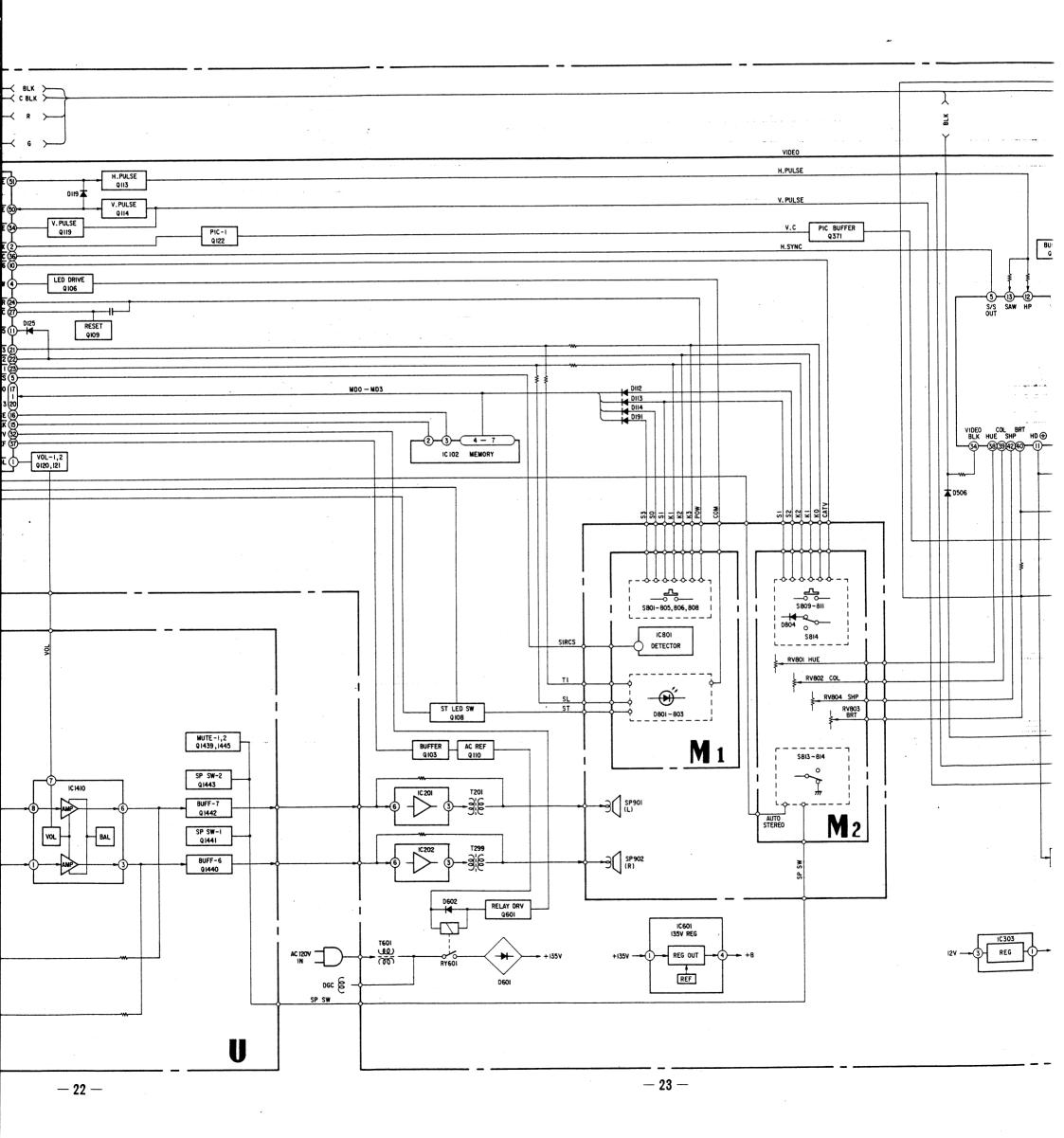
Regarding components of % R551 (H.SIZE).

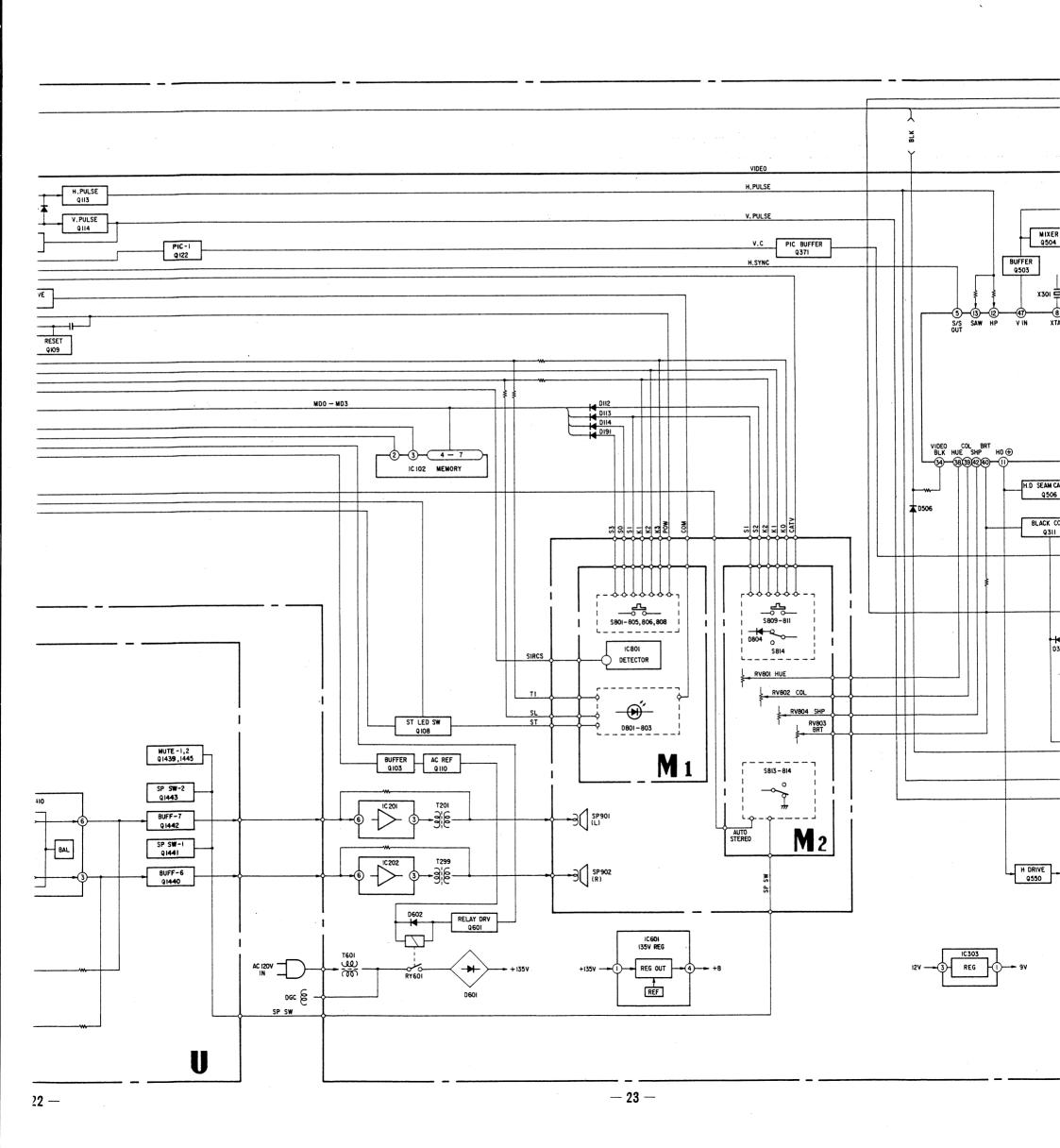
DY, C563, C565, R551, R554, R578, T504, RV506

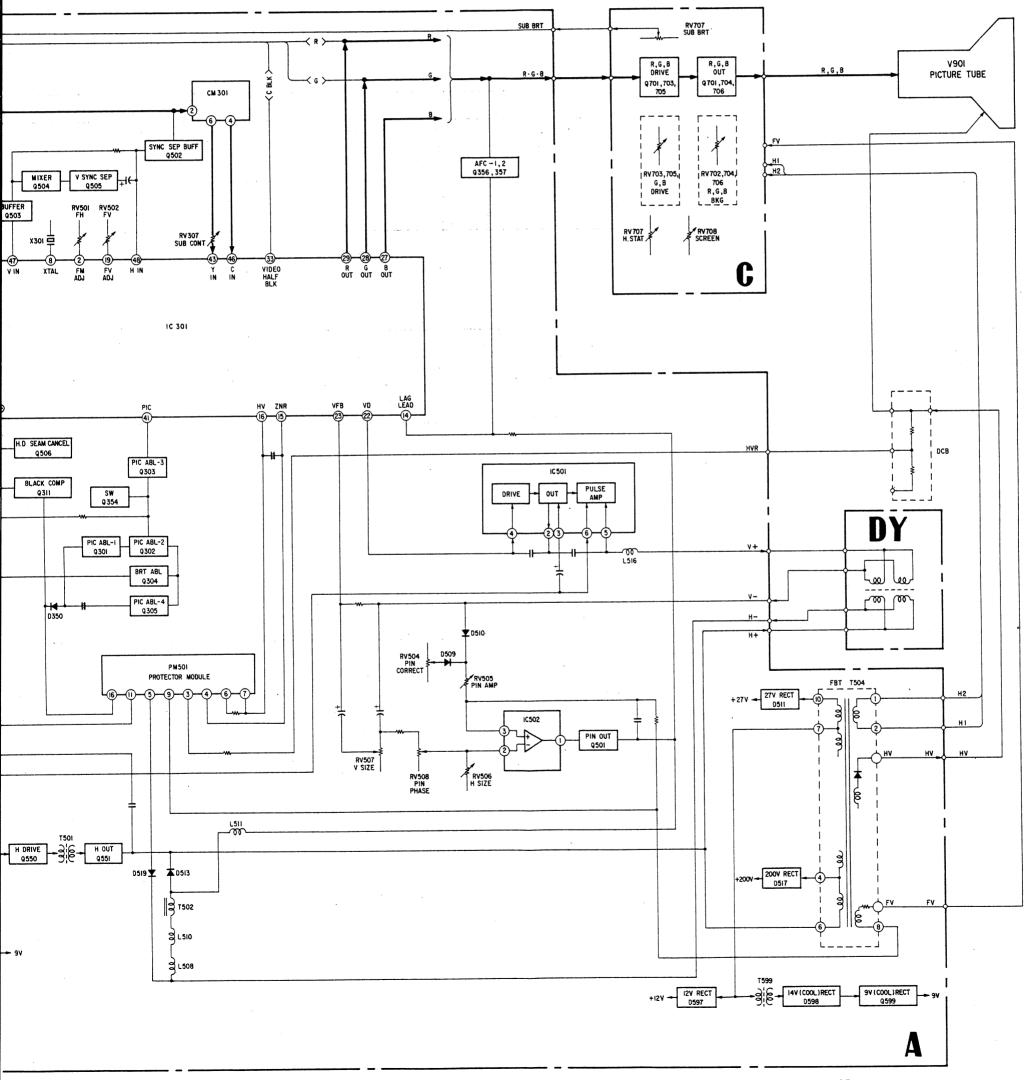
- Turn the POWER switch ON, and receive monoscope signal.
- 2. Set the PICTURE control in to 80 % and the BRIGHT control to center click position.
- 3. Confirm that the H.SIZE at minimum should not exceed 16.4 frames by adjusting RV506 (H.SIZE).

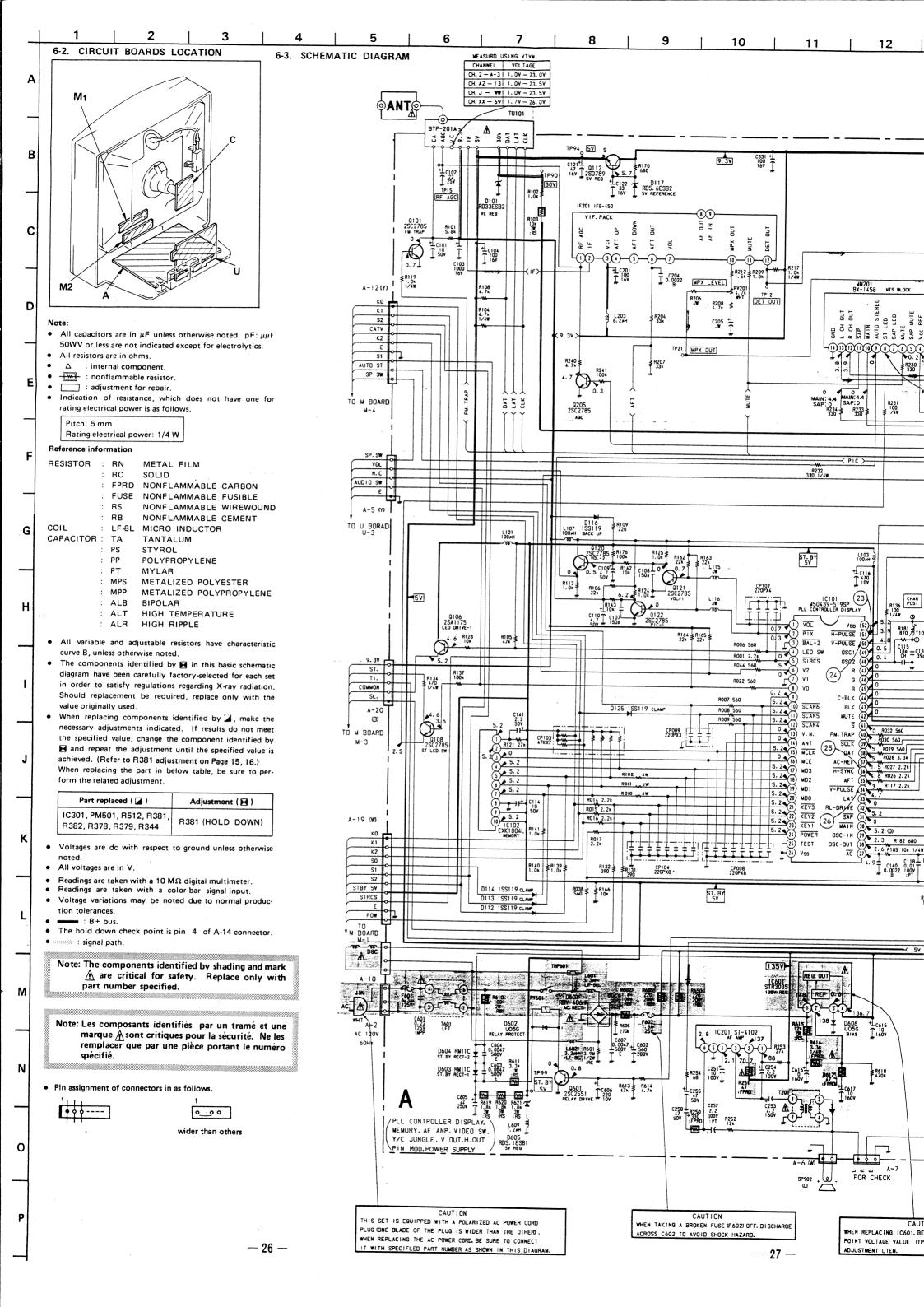
SECTION 6
DIAGRAMS

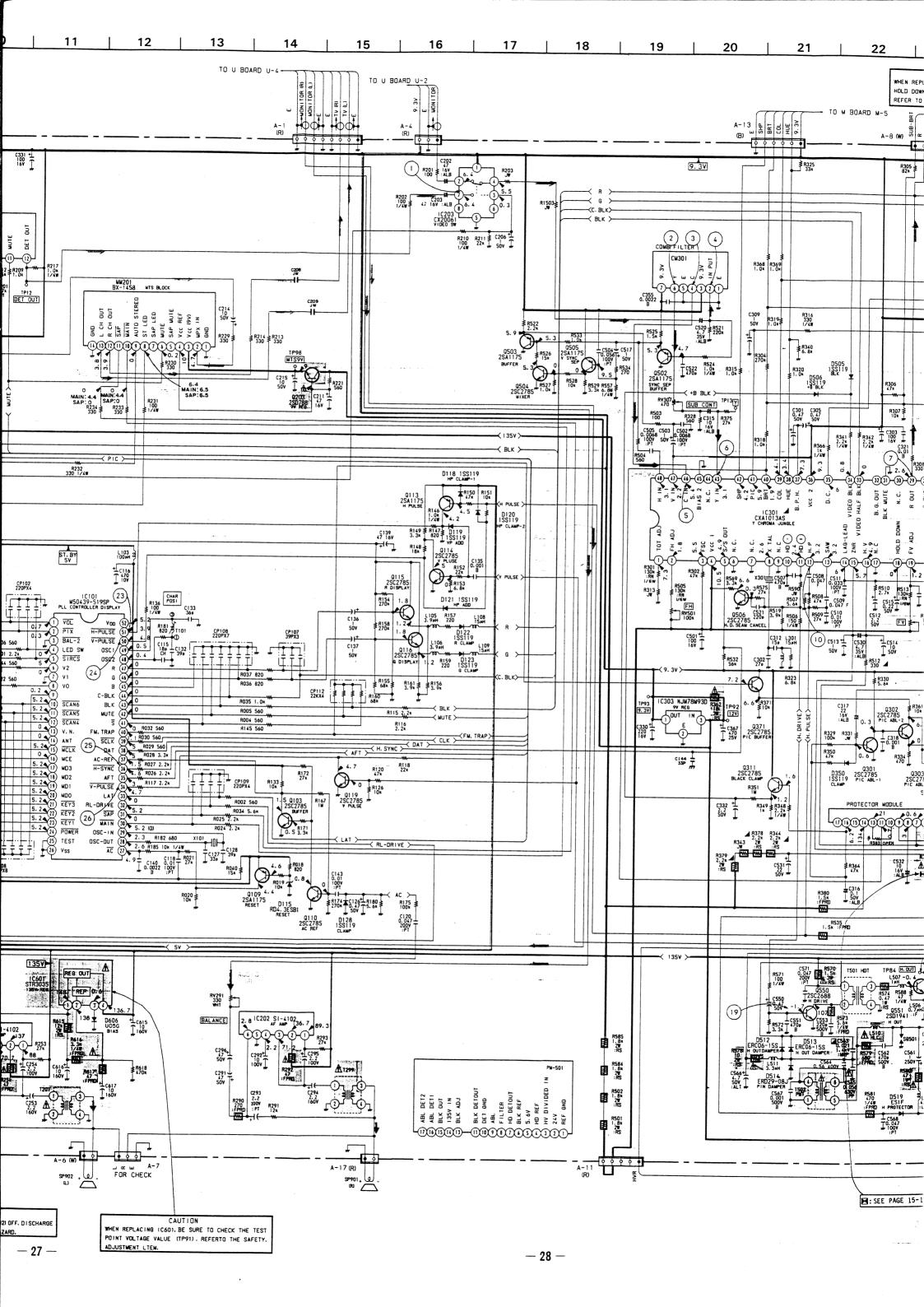


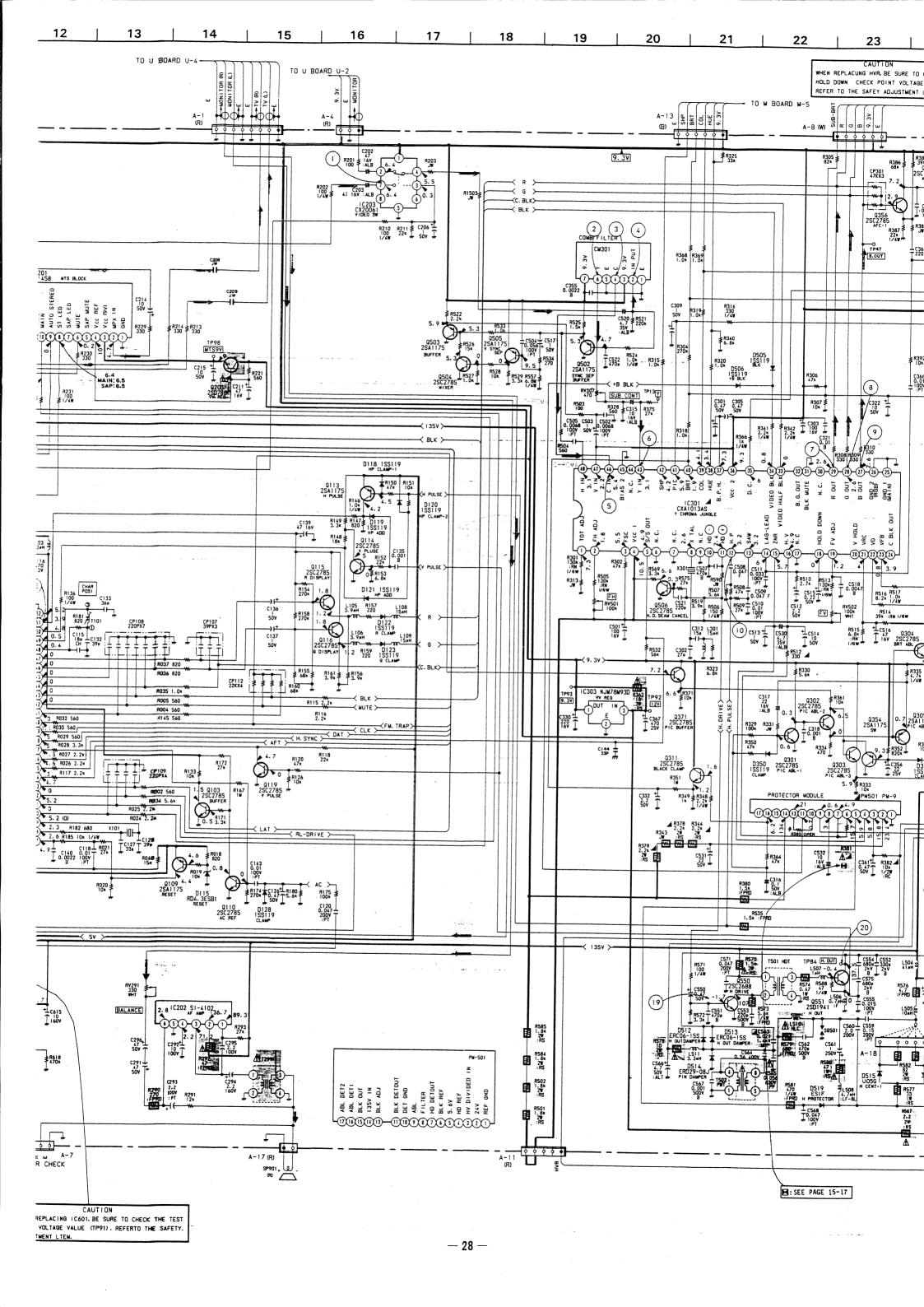


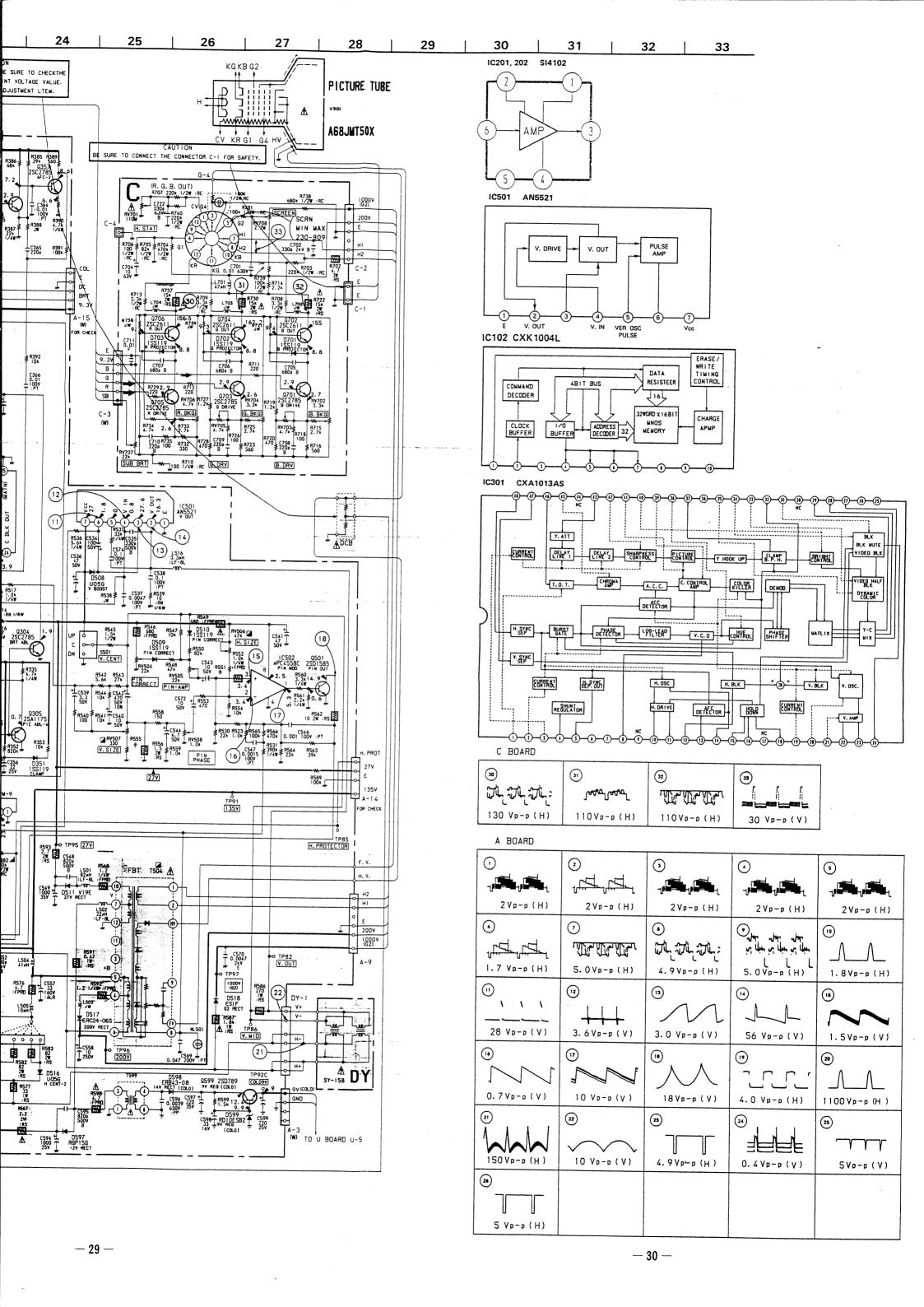






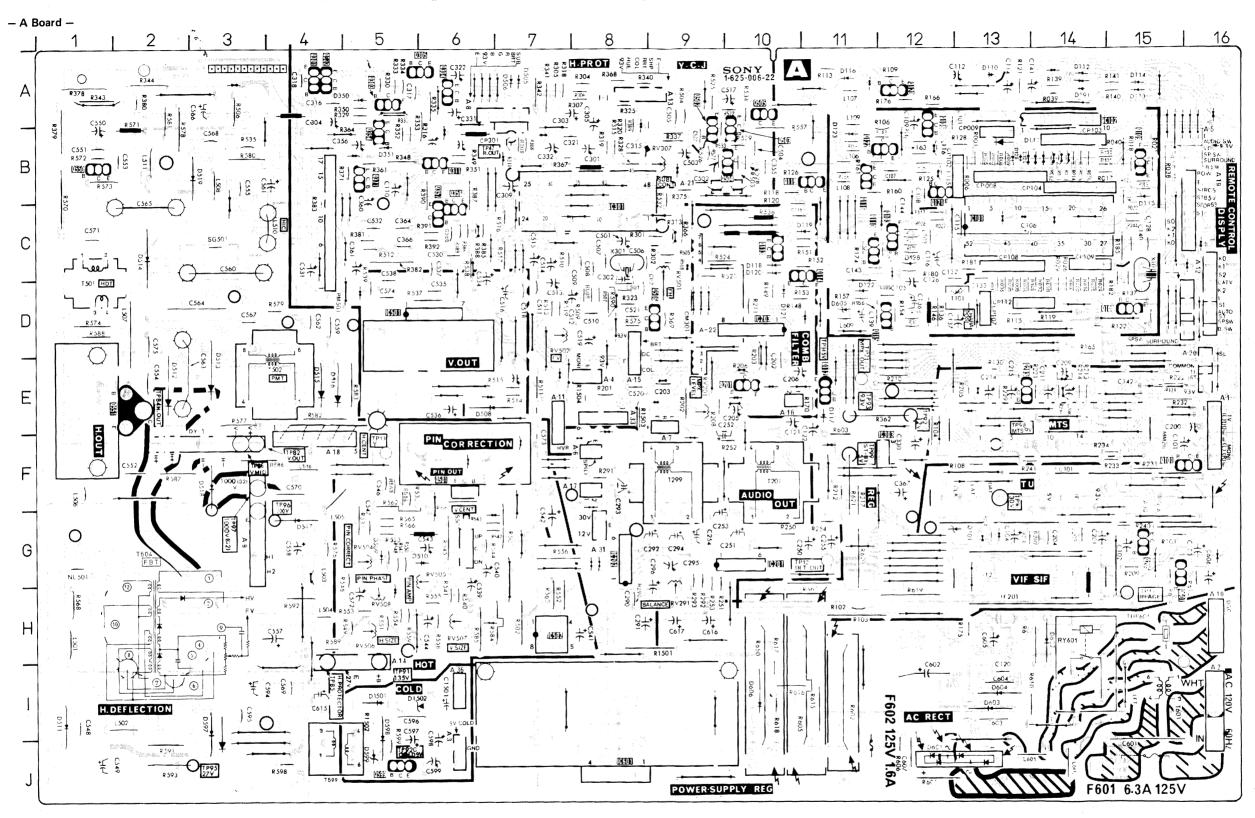






IC10° IC10° IC20° IC20° IC30° IC30° IC50° IC50° IC50°

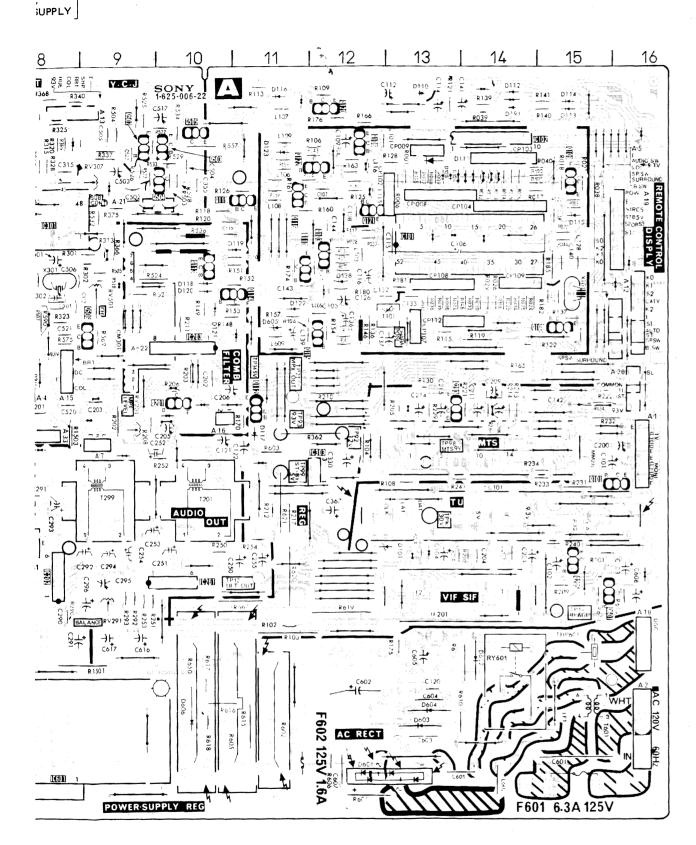
TRA



C

[R·G·B OUT]

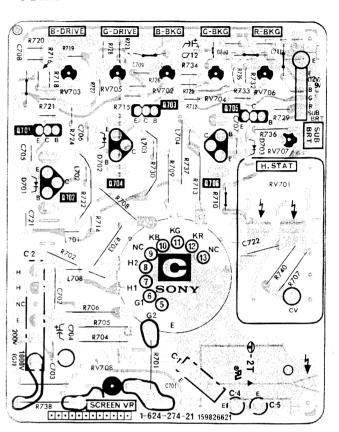
_____RM-757 R



A Board

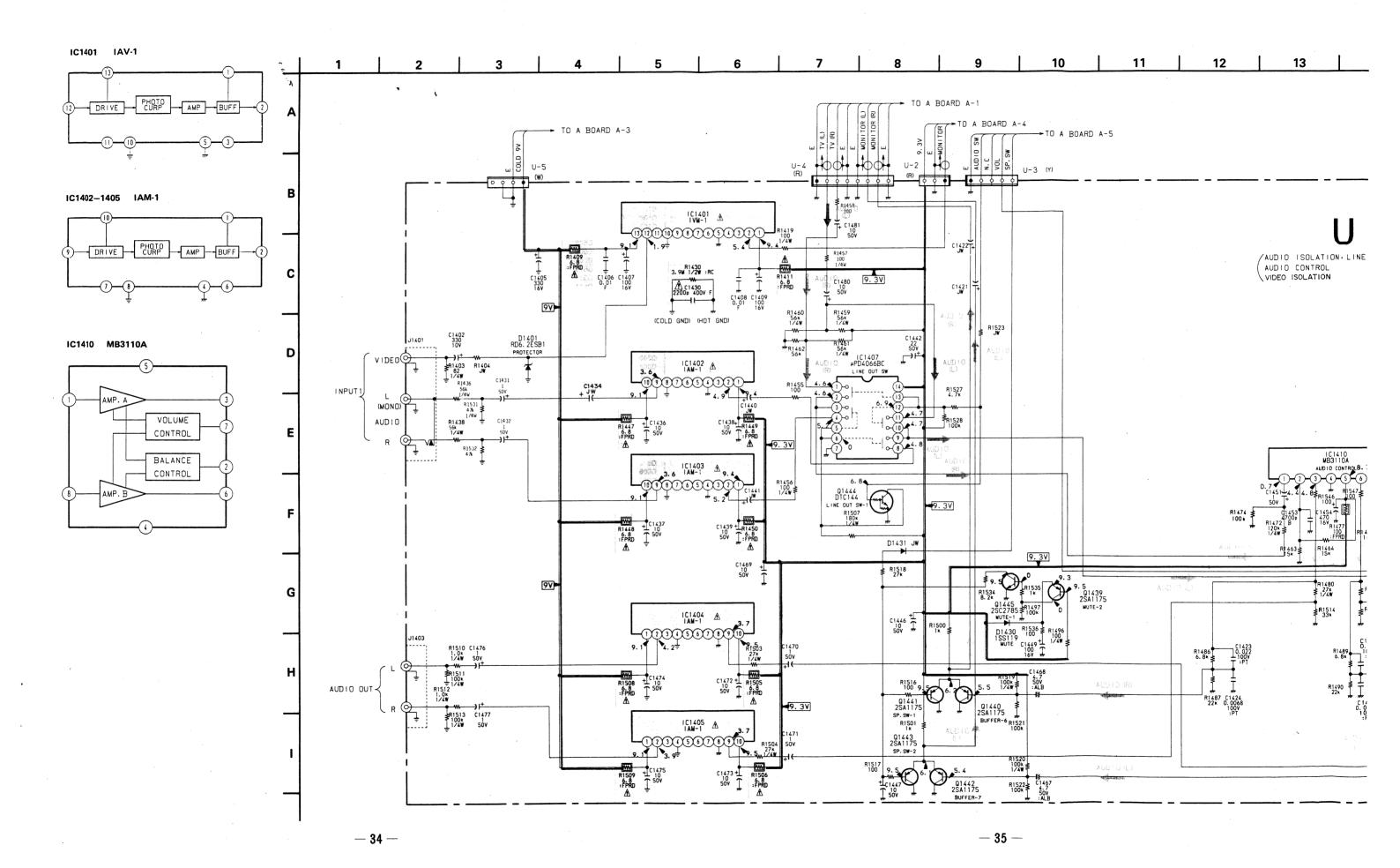
A Duai	u				
K	2	DIO	DE	MODI	JLE
IC101 IC102 IC201	C-13 A-14 G-10	D101 D112 D113	G-13 A-14 A-15	MM201 PM501	F-15 D-4
IC202 IC203	G-8 D-10	D114 D115	A-15 B-15	TF	
IC301 IC303 IC501 IC502 IC601	C-8 F-12 D-5 H-7 J-8	D116 D117 D118 D119 D120 D121	A-11 E-11 C-10 C-11 C-10 D-10	TP12 TP13 TP15 TP21 TP47	G-11 F-5 H-15 E-11 B-7
TRANS	SISTOR	D122 D123	D-11 B-13	TP82 TP84	F-3 E-2
0101 0103 0106 0108 0109 0110 0112 0113 0114 0115 0119 0120 0121 0203 0205 0301 0302 0303 0304 0305 0301 0305 0301 0305 0301 0305 0301 0305 0301 0305 0301 0305 0305	F-16 C-12 B-12 D-15 C-11 E-11 C-10 C-11 D-12 B-11 B-12 B-13 B-13 B-14 A-4 A-5 A-6 B-5 C-6 C-6 B-5 C-6 B-5 C-6 B-5 C-6 B-15 B-15 B-15 B-15 B-15 B-15 B-16 B-17 B-17 B-18 B-18 B-18 B-18 B-18 B-18 B-18 B-18	D124 D124 D124 D125 D128 D350 D351 D505 D506 D508 D509 D511 D512 D513 D514 D515 D516 D516 D517 D518 D519 D597 D598 D601 D601 D601 D603 D604 D605 D606	B-13 B-13 B-13 C-12 A-5 B-5 A-7 E-6 G-5 G-6 H-E-2 E-3 C-4 E-4 G-3 B-3 H-3 H-13 H-13 D-10 H-10	TP85 TP86 TP90 TP91 TP92 TP92C TP93 TP94 TP95 TP96 TP97 TP98 TP99	H-4 F-3 F-13 H-5 E-12 J-5 E-11 J-3 G-4 F-3 F-13 F-11
Q504 Q505	B-10 A-10	VARIA RESIS			
Q506 Q550 Q551 Q599 Q601	D-9 B-1 E-2 J-5 G-15	RV201 RV291 RV307 RV501 RV502 RV504 RV505 RV506 RV507 RV508	E-9 H-9 B-9 C-9 D-7 G-5 G-6 H-5 H-6 H-5		

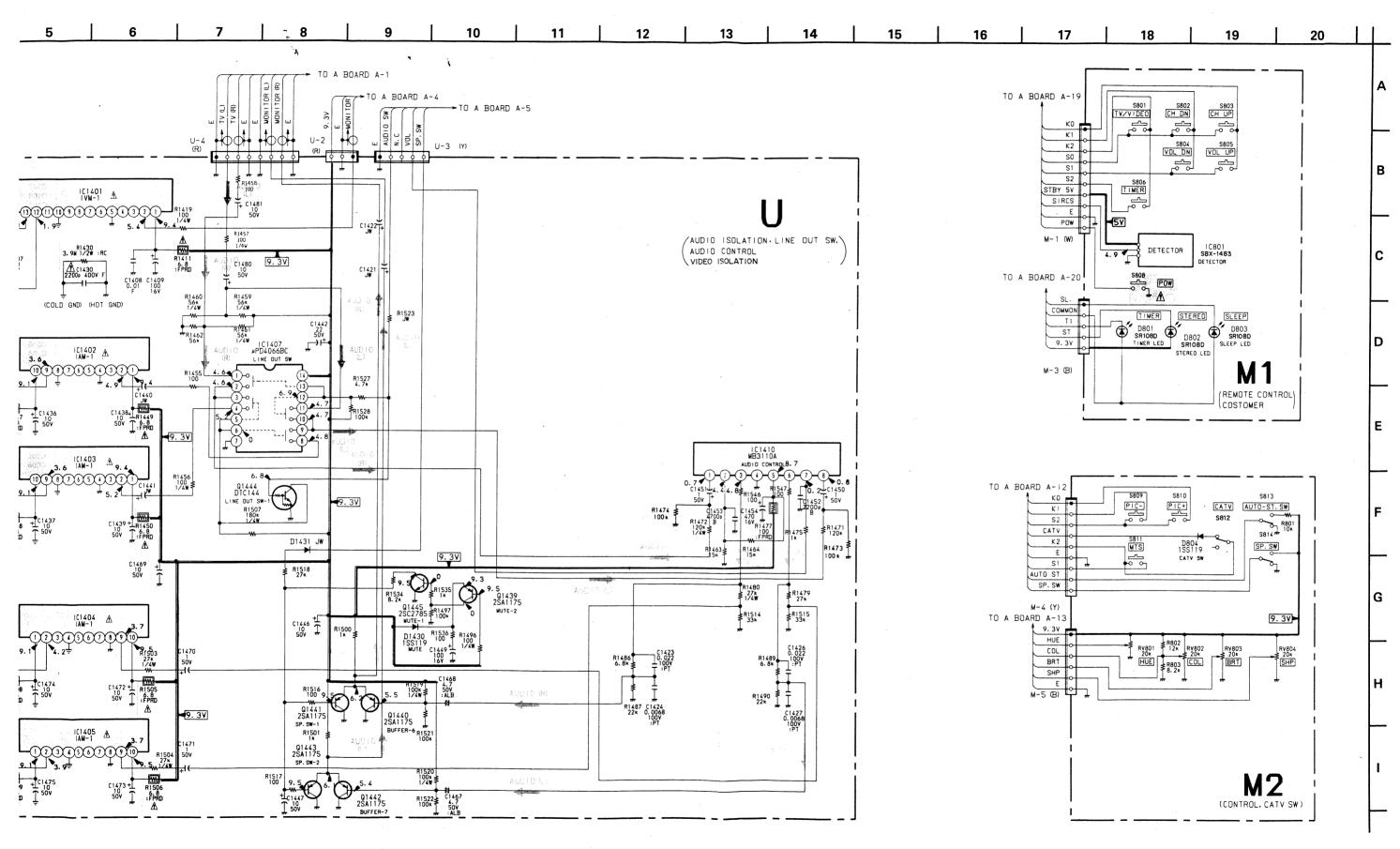
- C Board -



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



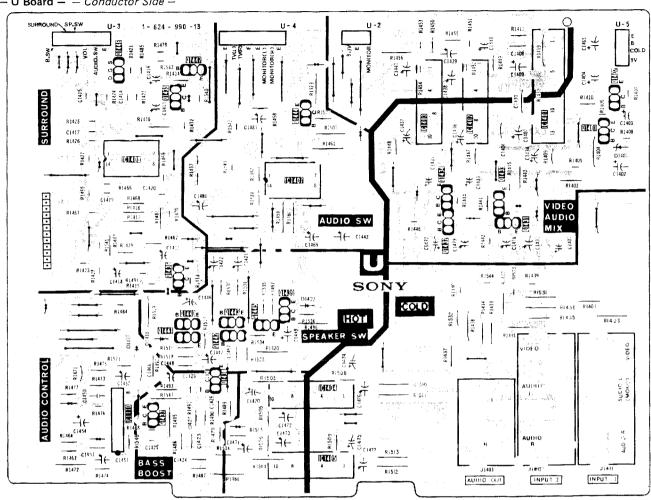


AUDIO ISOLATION, LINE SW, AUDIO CONTROL, VIDEO ISOLATION

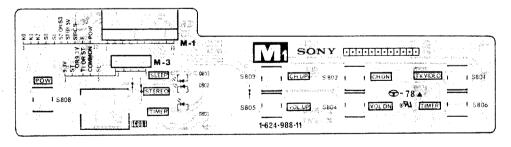
Μı [REMOTE CONTROL] COSTOMER

[CONTROL] M₂

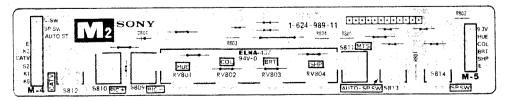
- U Board - - Conductor Side -



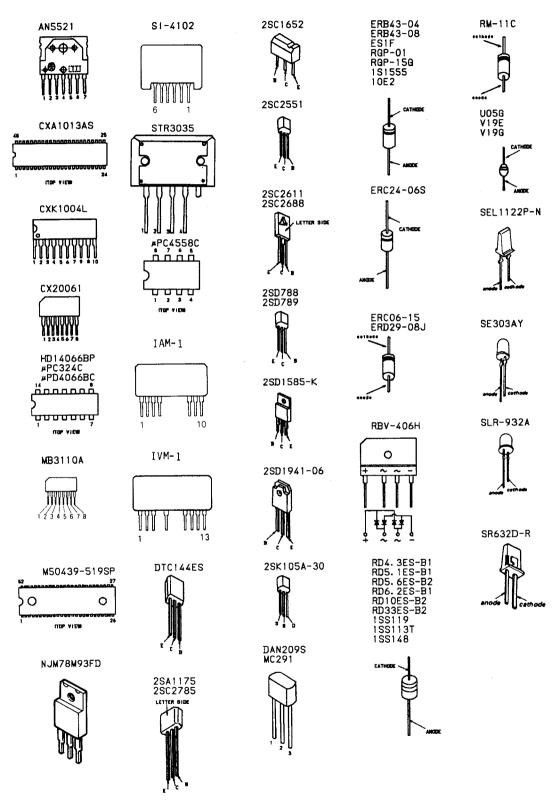
- M1 Board -



- M2 Board -



6-5. SEMICONDUCTORS



SECTION 7 EXPLODED VIEWS

NOTE:

- NUIL:

 Items with no part number and no description are not stocked because they are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

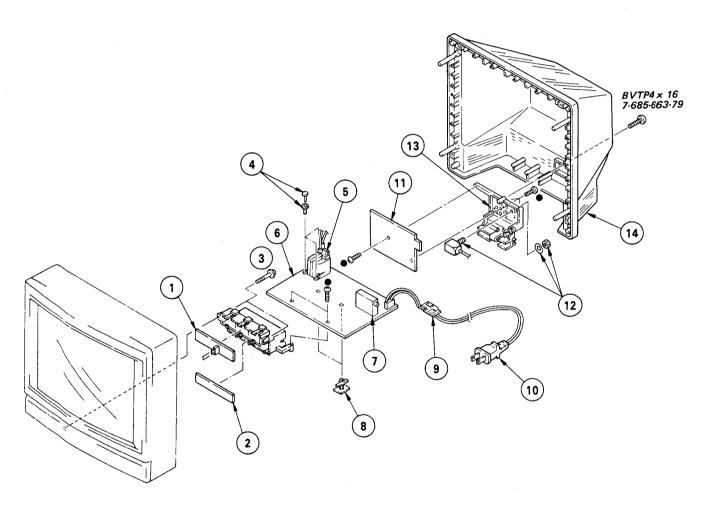
The components identified by shading and mark 🛆 are critical for safety. Replace only with part number

specified.

Les composants identifies par une trame et une marque $ilde{\Lambda}$ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. REAR COVER

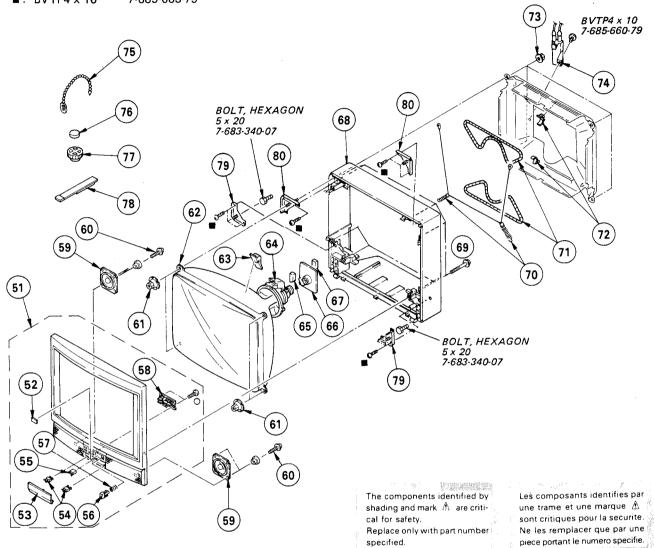
●: BVTP3 x 12 7-685-648-79



No.	Part No.	<u>Description</u>	Remark	No.	Part No.	Description	Remark
3 4 5 <i>l</i>	*1-624-989-11 4-319-520-11 3-531-576-31 1-439-372-13 *A-1296-397-A	MI BOARD M2 BOARD SCREW, SPECIAL (+PW4X30) RIVET (DIA. 3), NYLON TRANSFORMER ASSY, FLYBACK A BOARD, COMPLETE TUNER, ET (BTP-201A)		11	A.4-388-328-01 ★.1-559-396-11 *A-1394-132-A ★.1-536-591-61 Δ.1-536-902-21	ANCHOR, PC BOARD GROMMET, AC CORD CORD, POWER U BOARD, COMPLETE BLOCK, ANTENNA (USA ONLY) ANTENNA BLOCK (CND ONLY) TERMINAL BOARD, ANTENNA COVER, REAR	

7-2. PICTURE TUBE

7-685-650-79 0: BVTP3 x 16 7-685-663-79 ■: BVTP4 x 16



Remark Remark Part No. Description No. BEZEL ASSY (FOR BLACK) 52-58 BEZEL ASSY (FOR TRADITIONAL OAK) 52-58 *4-379-167-01 COVER (MAIN), CV 65 C BOARD, COMPLETE
COVER (REAR LID), CV
CABINET (FOR BLACK)
CABINET (TRADITIONAL DAK)(USA ONLY)
CABINET (WHITE)(USA ONLY) *A-1330-838-A 66 *4-379-160-01 4-388-417-01 (USA ONLY) 67 68 4-388-417-11 4-388-417-61 4-319-520-11 69 70 4-369-318-00

PLATE, TRANSPARENT DOOR, CONTROL SHAFT, LID CATCHER, PUSH BUTTON (B), POWER SPRING, COMPRESSION BUTTON (B), MULTI 3-561-888-02 58 4-388-411-01 72 1-503-918-11 SPEAKER 73 59 SCREW (3X16), TAPPING
NUT, SPECIAL, PICTURE TUBE
PICTURE TUBE (A68JMT50X) 60 74 4-388-477-01 4-376-980-01 A.8-737-753-05 76 77 3-703-961-01 SPACER, DY
A.1-451-275-11 DEFLECTION YOKE (SY-158) 63 78

Description

No.

51

53 54

55

56

Part No.

X-4388-493-1

X-4388-493-2

4-388-403-11

4-388-409-01

3-703-035-11

4-386-710-01

4-388-407-01

SCREW, SPECIAL (+PW4X30)
SPRING, TENSION
COIL, DEMAGNETIZATION
STOPPER, WIRE
FLANGE NUT,(B) 5MM
RESISTOR ASSY, HIGH-VOLTAGE A.1-426-350-11 *4-371-629-01 71 4-306-034-00 A.1-230-940-31 RESISTOR ASSY, HIGH-VOLTAGE
CLIP, LEAD WIRE
MAGNET,DISK; 10MM ¢
MAGNET, ROTATABLE DISK; 15MM ¢
PERMALLOY ASSY, CONVERGENCE
BRACKET (E), PICTURE TUBE
BRACKET (H), PICTURE TUBE 4-308-870-00 1-452-032-00 X-4306-312-0 79 * 4-376-989-01 * 4-379-197-01

SECTION 8 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. re numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
 F: nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS COILS • MMH : inH, UH : μH • MF : μF, PF : μμF

- The components identified by 🖪 in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- ★ : Selected to yield optimum performance.

REF.NO	D. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	1 -		REMARK
	*A-1296-397-A *1-508-767-00 *4-341-751-01 *4-341-752-01 *4-376-533-01	A BOARD, COM ************************************	PLETE ***** OR (5MM PIT	CH) 5P		C135 C136 C137 C139 C140	1-102-074-00 1-124-499-11 1-124-499-11 1-124-477-11 1-102-121-00	CERAMIC ELECT ELECT ELECT CERAMIC	0.001MF 1MF 1MF 47MF 0.0022MF	10% 20% 20% 20% 20%	50V 50V 50V 16V 50V
	*4-376-535-01	CASE (BOTTÓM), SHIELD			C141 C143 C144	1-124-925-11 1-106-367-00 1-102-963-00	ELECT Mylar Ceramic	2.2MF 0.01MF 33PF	20% 10% 5%	50V 100V 50V 16V 16V
A1 A2 A3 A4 A5	*1-566-060-11 *1-506-348-99 *1-560-124-00 *1-566-055-11 *1-566-057-11 *1-566-058-11 *1-566-058-11 *1-508-768-00 *1-508-765-00	PIN, CONNECT PIN, CONNECT PLUG, CONNEC PIN, CONNECT PIN, CONNECT	OR 8P OR 3P TOR (2.5MM) OR 3P OR 5P	4P		C203 C204 C206 C211 C214	1-124-631-11 1-102-121-00 1-124-499-11 1-124-477-11 1-123-875-11	ELECT CERAMIC ELECT ELECT ELECT	47MF 0.0022MF 1MF 47MF 10MF	20% 10% 20% 20% 20%	16V 50V 50V 16V 50V
A6 A7 A8 A9 A10	*1-566-054-11 *1-560-123-00 *1-566-058-11 *1-508-768-00 *1-508-765-00	PIN, CONNECT PLUG, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT	OR 2P TOR (2.5MM) OR 6P OR (5MM PIT OR (5MM PIT	3P CH) 6P CH) 3P		C215 C250 C251 C252 C253	1-123-875-11 1-124-910-11 1-124-667-11 1-124-925-11 1-124-799-11	ELECT ELECT ELECT ELECT ELECT	10MF 47MF 10MF 2.2MF 2.2MF	20% 20% 20% 20% 20%	50V 50V 100V 100V 160V
A11 A12 A13 A14 A15	*1-566-058-11 *1-508-766-00 *1-560-125-00	PIN, CONNECT PIN, CONNECT PLUG, CONNEC	OR 6P OR (5MM PIT TOR (2.5MM)	CH) 4P 5P		C255 C291 C292	1-124-925-11 1-124-910-11 1-124-910-11 1-124-667-11 1-124-925-11	ELECT ELECT ELECT ELECT ELECT	2.2MF 47MF 47MF 10MF 2.2MF	20% 20% 20% 20% 20%	100V 50V 50V 100V 100V
A17 A19 A20 DY1	*1-566-062-11 *1-566-057-11 *1-564-038-00	PIN, CONNECT PIN, CONNECT CONNECTOR PL	OR TOP OR 5P UG, DY (MIN	I) 6P		C294 C295 C296 C301 C302	1-124-799-11 1-124-925-11 1-124-910-11 1-124-902-00 1-102-961-00	ELECT ELECT ELECT ELECT CERAMIC	2.2MF 2.2MF 47MF 0.47MF 27PF	20% 20% 20% 20% 20% 5%	160V 100V 50V 50V 50V
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C303</td><td>1-126-101-11</td><td>ELECT</td><td>100MF</td><td>20%</td><td>16V</td></cap<>	ACITOR>				C303	1-126-101-11	ELECT	100MF	20%	16 V
C101 C102 C103 C104 C107	<pre><cap 1-101-361-00<="" 1-123-875-11="" 1-124-360-00="" 1-126-101-11="" 1-126-233-11="" pre=""></cap></pre>	ELECT ELECT ELECT ELECT CERAMIC	10MF 22MF 1000MF 100MF	20% 20% 20% 20% 5%	50V 25V 16V 16V 50V	C303 C305 C309 C312 C315	1-126-101-11 1-124-902-00 1-124-499-11 1-102-951-00 1-126-320-11				50V 50V 50V 16V
C108 C109 C110 C114 C115	1-101-361-00 1-124-927-11 1-124-927-11 1-123-875-11 1-162-205-31	CERAMIC BLECT BLECT BLECT CERAMIC	150PF 4.7MF 4.7MF 10MF	5% 20% 20% 20%	50V 50V 50V 50V 50V	C316 C317 C318 C321 C322	1-124-766-00 1-124-282-00 1-102-074-00 1-102-129-00 1-123-875-11				50V 16V 50V 50V 50V
C116 C118 C120	1 104-477-11	ELECT MYLAR MYLAR BLECT ELECT	470MF 0.01MF 0.047MF 47MF 33MF	20% 10% 10% 20% 20%	10V 100V 200V	C330 C331 C332 C355	1-124-120-11 1-126-101-11 1-124-925-11 1-102-121-00 1-126-233-11	ELECT ELECT ELECT CERAMIC BLECT	220MF 100MF 2.2MF 0.0022MF 22MF	20% 20% 20% 10% 20%	16V 16V 50V 50V 25V
C126 C127 C128 C132 C133	1-124-963-11 1-124-963-11 1-124-963-00 1-102-963-00 1-102-965-00 1-102-964-00	BLECT CERAMIC CERAMIC CERAMIC CERAMIC	0.47MF 33PF 39PF 39PF 36PF	20% 5% 5% 5%	50 V 50 V 50 V 50 V 50 V	C361 C364 C365 C366 C367	1-124-902-00 1-106-367-00 1-102-978-00 1-106-367-00 1-124-480-11	BLECT MYLAR CERAMIC MYLAR ELECT	0.47MF 0.01MF 220PF 0.01MF 470MF	20% 10% 5% 10% 20%	50V 100V 50V 100V 25V



Les composants identifies par une trame et une marque Λ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

REF.NO. PART	NO.	DESCRIPTION	[REMARK	REF.NO	. PART NO.	DESCRIPTION			REMARK
C501 1-12 C502 1-10 C503 1-12 C504 1-10	6-101-11 6-363-00 4-499-11 6-385-00 6-363-00		100MF 0.0068MF 1MF 0.056MF 0.0068MF		16V 100V 50V 100V 100V	C596	1-136-558-11 1-124-484-11 1-124-963-11 1-124-120-11 1-108-745-52 1-125-457-11	FILM	0.0039MF	10% 20% 20% 20% 20%	630V 35V 16V 25V
C508 1-10 C509 1-10 C510 1-10 C511 1-10	2-114-00 1-006-00 1-006-00 6-367-00 6-379-12		0.01MF 0.033MF	10% 10% 10%	50V 50V 50V 100V 100V	C603 C604 C605	1-125-457-11 1-161-830-00 1-161-830-00 1-123-948-00 1-126-176-11 1-161-830-00		5.60MF 0.0047MF 0.0047MF 22MF 220MF 0.0047MF	20%	500V 500V 500V 250V 10V
C513 1-12 C514 1-12 C515 1-12	4-925-11 4-499-11 3-875-11 4-464-11 4-477-11	ELECT ELECT ELECT ELECT ELECT	2.2MF 1MF 10MF 0.22MF 47MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 16V	C606 C607 C615 C616 C617	1-161-830-00 1-124-046-00 1-124-046-00 1-124-046-00				500V 160V 160V 160V
C521 1-10:	4-499-11 2-125-00 4-277-11 2-978-00 2-824-00	ELECT CERAMIC ELECT CERAMIC CERAMIC	1MF 0.0047MF 4.7MF 220PF 470PF	20% 10% 20% 5% 5%	50V 50V 35V 50V 50V	CM301	<fil< td=""><td>TER BLOCK> FILTER BLOCK,</td><td>, COM (CFB-1)</td><td>)</td><td></td></fil<>	TER BLOCK> FILTER BLOCK,	, COM (CFB-1))	
C530 1-12 C531 1-12 C532 1-12 C534 1-12 C535 1-10	4-277-11 5-233-11 5-320-11 4-122-11 2-030-00	ELECT ELECT ELECT ELECT CERAMIC	4.7MF 22MF 10MF 100MF 330PF	20% 20% 20% 20% 10%	35V 50V 16V 50V 500V	CP009 CP102	1-233-147-11 1-233-145-11 1-233-117-11	COMPOSITION (CIRCUIT BLOCK CIRCUIT BLOCK CIRCUIT BLOCK	((
U539 I-12	4-910-11 5-359-00 5-220-00 3-382-00 3-875-11	ELECT Mylar Mylar Elect Elect	47MF 0.0047MF 0.1MF 3.3MF 10MF	20% 10% 10% 20% 20%	50V 100V 100V 50V 50V		1-236-137-11 1-233-147-11 1-233-146-11 1-233-118-11 1-233-117-11 1-236-077-11 1-236-078-11				
C544 1-124	1-910-11 1-517-11 3-875-11 1-927-11 5-343-00	ELECT ELECT ELECT ELECT MYLAR	47MF 470MF 10MF 4.7MF 0.001MF	20% 10% 20% 20% 10%	50V 50V 50V 50V 100V		<d10< td=""><td>DE></td><td></td><td></td><td></td></d10<>	DE>			
C549 1-126 C550 1-124	5-347-00 2-212-00 5-105-11 1-902-00 2-114-00	MYLAR CERAMIC ELECT	0.0015MF 820PF 1000MF 0.47MF 470PF	10% 10% 20% 20% 10%	100V 500V 35V 50V 50V	D114 D115	8-719-110-78 8-719-911-19 8-719-911-19 8-719-911-19 8-719-109-74	DIODE RD4.3ES	5-B1		
C555 1-106	2-115-00 2-244-00 2-116-00 5-371-00 4-494-00	CERAMIC CERAMIC CERAMIC MYLAR	330PF 220PF 680PF 0.015MF		2KV 500V 2KV 100V 160V	D120	8-719-911-19 8-719-109-89 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE RD5.6ES DIODE 1SS119 DIODE 1SS119 DIODE 1SS119	F-B2		
C558 1-123 C559 1-106 C560 1-136 C561 1-124	3-947-00 5-395-00 5-113-00 1-634-11 2-228-00	ELECT MYLAR FILM BLECT CERAMIC	10MF 0.15MF 2MF 1MF 470PF	20% 10% 5% 20% 10%	250V 200V 200V 250V 500V	D121 D122 D123 D125 D128	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C565 A. 1-136 C566 1-124	-124-00	FILM FILM FILM BLECT CERAMIC	0.021MF 0.56MF 0.056MF 4.7MF 0.001MF	3% 5% 5% 20% 10%	1.4KV 400V 630V 50V 500V	D350 D351 D505 D506 D508	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-200-02	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1OE2			
C569 1-106 C570 1-162 C571 1-106	5-383-00 5-383-00 5-114-00 5-383-00 5-875-11	MYLAR MYLAR CERAMIC MYLAR ELECT	0.047MF 0.047MF 0.0047MF 0.047MF 10MF	10% 10% 10% 20%	100V 200V 2KV 200V 50V	D509 D510 D511 D512 D513	8-719-911-19 8-719-911-19 8-719-971-20 8-719-945-80 8-719-945-80	DIODE 1SS119 DIODE 1SS119 DIODE ERC38-0 DIODE ERC06-1 DIODE ERC06-1	5S 5S		
C575 1-162 C594 1-124	5-220-00 2-116-00 1-557-11 2-212-00	MYLAR CERAMIC ELECT CERAMIC	0.1MF 680PF 1000MF 820PF	10% 10% 20% 10%	100V 2KV 25V 500V	D514 D515 D516 D517 D518	8-719-900-26 8-719-200-02 8-719-200-02 8-719-300-33 8-719-300-65	DIODE ERD29-0 DIODE 10E2 DIODE 10E2 DIODE RU-3AM DIODE ESIF	8J		

REMARK

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number

Specifica.

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO.	DESCRIPTION REMARK	REF.NO.	PART NO.	DESCRIPTION	l	
D519 8-719-300-65 D597 8-719-901-58 D598 8-719-300-70 D599 8-719-110-17	DIODE ESIF DIODE RGP15J DIODE RH-1C	NL501	1-519-108-99 <mod< td=""><td>LAMP, NEON ULE></td><td></td><td></td></mod<>	LAMP, NEON ULE>		
D601 A.8-719-305-07	DIODE RBV-406H	PM501	1-235-963-11	PROTECTOR MC	DULE (PM-9)	
D603 8-719-304-63 D604 8-719-304-63	DIODE RMIIC			NSISTOR>		
D605 8-719-109-84 D606 8-719-200-02		0101 0103	8-729-119-78 8-729-119-78	TRANSISTOR 2	SC2785-HFE	
<fus< td=""><td>E></td><td>108</td><td>8-729-119-76 8-729-119-78 8-729-119-76</td><td>TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2</td><td>SC2785-HFE</td><td></td></fus<>	E>	108	8-729-119-76 8-729-119-78 8-729-119-76	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-HFE	
F601 A. 1-532-509-11 1-533-190-11 F602 A. 1-532-742-11 *1-533-189-11	PUSE, GLASS TUBE 6.3A/125V CLIP, FUSE; F601 FUSE, GLASS TUBE 1.6A/125V HOLDER, FUSE	Q110 Q112 Q113 Q114 Q115	8-729-119-78 8-729-378-92 8-729-119-76 8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SD789-4 SA1175-HFE SC2785-HFE	
<10>	IC NEOVO E10CD	Q116	8-729-119-78	TRANSISTOR 2 TRANSISTOR 2	SC2785-HFE	
1C101 8-759-605-39 1C102 8-759-803-24 1C201 8-749-900-15 1C202 8-749-900-15 1C203 8-752-006-12	IC CXK1004L IC SI-4102 IC SI-4102	0119 0120 0121 0122	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-HFE SC2785-HFE SC2785-HFE	
1C301 8-752-031-72 1C303 8-759-982-37 1C501 8-759-402-35 1C502 8-759-945-58 1C6014 8-749-930-35	IC CXA1013AS IC RC78M93FD IC AN5521	Q205 Q301 Q302	N8-729-378-83 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-HFE SC2785-HFE SC2785-HFE SC2785-HFE	
	SPACER. MICA: IC601	Q304 Q305 Q311 Q354 Q356	8-729-119-78 8-729-119-76 8-729-119-78 8-729-119-76 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1175-HFE SC2785-HFE SA1175-HFE	
		Q357 Q371	8-729-119-78	TRANSISTOR 2	SC2785-HFE	
IF201 1-464-755-11		Q501 Q502	8-729-107-26 8-729-119-76	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SD1585-K SA1175-HFE	
<coi L101 1-410-482-31</coi 		Q503	8-729-119-76	TRANSISTOR 2 TRANSISTOR 2		
L103 1-410-482-31 L105 1-408-404-00 L106 1-408-404-00 L107 1-410-482-31	INDUCTOR 100UH	0505 0506 0550 0551	8-729-119-76 8-729-119-78 8-729-119-80	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1175-HFE SC2785-HFE SC2688-LK	
L108 1-408-411-00 L109 1-408-411-00 L203 1-408-408-00 L301 1-408-411-00 L501 1-408-226-00	INDUCTOR 15UH INDUCTOR 15UH INDUCTOR 8.2UH INDUCTOR 15UH INDUCTOR 82UH	Q599 Q601	*4-378-214-01 8-729-378-92 8-729-255-12	HOLDER, TR; TRANSISTOR 2 TRANSISTOR 2	SD789-4	
L502 1-408-938-00	INDUCTOR 22UH	1 t 1 1		ISTOR>		
L504 Î-459-313-00 L505 1-459-104-00 L506 1-407-365-00 L507 1-408-349-00	COIL WITH CORE (HWC) COIL, DUST CORE COIL,CHOKE COIL, CHOKE	R001 R002 R004 R005 R006	1-249-421-11 1-249-414-11 1-249-414-11 1-249-414-11 1-249-414-11	CARBON CARBON CARBON CARBON CARBON	2.2K 5% 560 5% 560 5% 560 5%	1/4W 1/4W 1/4W 1/4W 1/4W
L508 1-408-239-00 L510 点.1-459-224-13	INDUCTOR 4.7MMH HLC	R007	1-249-414-11	CARBON	560 5%	1/4W 1/4W
L511 1-459-075-00 L516 1-408-225-00 L601 A.1-408-225-21 L602 A.1-408-225-21	COIL, DYNAMIC CONVERSION CHOKE INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH	R008 R009 R014 R015	1-249-414-11 1-249-414-11 1-249-421-11 1-249-421-11	CARBON CARBON CARBON CARBON	560 5% 560 5% 2.2K 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W
	INDUCTOR 1.2UH	R016 R017	1-249-421-11 1-249-421-11	CARBON CARBON	2.2K 5% 2.2K 5%	1/4W 1/4W
<neo< td=""><td>N LAMP></td><td>R018 R019 R020</td><td>1-249-416-11 1-249-429-11 1-249-429-11</td><td>CARBON CARBON CARBON</td><td>2.2K 5% 2.2K 5% 820 5% 10K 5% 10K 5%</td><td>1/4W 1/4W 1/4W</td></neo<>	N LAMP>	R018 R019 R020	1-249-416-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON	2.2K 5% 2.2K 5% 820 5% 10K 5% 10K 5%	1/4W 1/4W 1/4W



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

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REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION		*		REMARK
R021 1-249-434-11 R022 1-249-414-11 R024 1-249-421-11 R025 1-249-421-11 R026 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	27K 560 2.2K 2.2K 2.2K	55555555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W		R161 R162 R163 R164 R165	1-249-424-11 1-249-433-11 1-249-433-11 1-249-433-11 1-249-433-11 1-249-429-11 1-249-429-11 1-249-423-11 1-249-423-11 1-249-434-11 1-249-441-11 1-249-441-11 1-249-441-11 1-249-415-11 1-249-415-11 1-249-415-11 1-249-415-11 1-249-405-11 1-249-435-11 1-249-435-11 1-249-435-11 1-249-435-11 1-249-435-11	CARBON CARBON CARBON CARBON CARBON CARBON CARBON	3.9K 22K 22K 22K 22K 10K	5% %%%%% 55%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W 1/4W	
R028 1-249-423-11 R029 1-249-414-11 R030 1-249-414-11 R032 1-249-414-11	CARBON CARBON	2.2K 3.3K 560 560 560	5%%%%% 5%%%%%% 5%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W 1/4W		R166 R167 R170 R171 R171	1-249-429-11 1-247-903-00 1-249-415-11 1-249-423-11 1-249-434-11	CARBON CARBON CARBON CARBON CARBON CARBON	10K 1M 680 3.3K 27K 270K		1/4W 1/4W 1/4W 1/4W 1/4W	
R034 1-249-426-11 R035 1-249-417-11 R036 1-249-416-11 R037 1-249-416-11 R038 1-249-414-11 R040 1-249-431-11		5.6K 1K 820 820 560	555555 55555	1/4W 1/4W 1/4W 1/4W 1/4W		R174 R175 R176 R180 R181	1-249-441-11 1-249-441-11 1-249-426-11 1-249-416-11	CARBON CARBON CARBON CARBON CARBON	100K 100K 5.6K 820 680		1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
R044 1-249-414-11 R101 1-249-426-11 R102 1-249-417-11 R103 1-215-923-00	METAL UXIDE	15K 560 5.6K 1K 10K	55555	1/4W 1/4W 1/4W 1/4W 3W		R185 R201 R202 R204	1-247-725-11 1-249-405-11 1-247-700-11 1-249-435-11	CARBON CARBON CARBON CARBON		5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W 1/4W	
R109 1-249-409-11	CARBON CARBON CARBON CARBON	220	7.00	1/40		DO10	1-247-700-11	CARBON CARBON	4.7K 1K 100 22K 1.5K		1/4W 1/4W 1/4W 1/4W 1/4W	
	CARBUN CARBON	2. 2K 2. 2K 2. 2K 2. 2K 22K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R213 R214 R217 R221	1-249-411-11 1-247-713-11 1-249-414-11	CARBON CARBON CARBON CARBON	330 330 1K 560	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	CARBON CARBON CARBON CARBON CARBON	1K 47K 27K 1K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R230 R231 R232 R233	1-249-411-11 1-249-411-11 1-247-700-11 1-247-706-11 1-249-411-11	CARBON CARBON CARBON CARBON	330 330 100 330 330	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R133 1-249-429-11	CARBON CARBON CARBON CARBON	10K 10K 390 390 10K	26	1/4W		n 404	1-249-411-11	CARBON CARBON CARBON CARBON	330 4.7K 100K 330 47 12K		1/4W 1/4W 1/4W 1/4W	F F
R134 1-247-708-11 R136 1-247-700-11 R137 1-249-441-11 R139 1-249-417-11 R140 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	470 100 100K 1K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R252 R253 R254 R290 R291	1-249-425-11 1-249-411-11 1-249-401-91 1-249-401-91 1-249-430-11 1-249-403-11 1-249-410-11 1-249-410-11 1-249-430-11	CARBON CARBON CARBON CARBON CARBON	27K 68 270 12K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R143 1-249-429-11 R145 1-249-414-11 R146 1-247-713-11	CARBON CARBON CARBON CARBON CARBON	1K 10K 10K 560 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R293 R301 R302	1-249-401-91 1-249-434-11 1-215-472-00 1-249-437-11 1-247-889-00	CARBON CARBON METAL CARBON CARBON	27K 130K 47K 270K	5% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/6W 1/4W 1/4W	F
R148 1-249-432-11 R149 1-249-423-11 R150 1-249-437-11 R151 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	820 18K 3.3K 47K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R305 R306 R307 R308	1-249-440-11 1-249-437-11 1-249-429-11 1-249-411-11 1-249-411-11	CARBON CARBON CARBON CARBON CARBON	82K 47K 10K 330 330	5 5555555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W	
R153 1-249-427-11 R154 1-247-889-00 R155 1-249-439-11	CARBON CARBON CARBON CARBON CARBON CARBON	22K 6.8K 270K 68K 3.9K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R310 R315 R316 R318	1-249-411-11 1-249-417-11 1-247-706-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON	330 1K 330 1K 1K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R157 1-249-409-11 R158 1-247-889-00 R159 1-249-409-11 R160 1-249-439-11	CARBON CARBON CARBON CARBON	220 270K 220 68K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R320 R323	1-249-417-11 1-249-427-11 1-249-435-11	CARBON CARBON CARBON	1 K 6.8 K 33 K	5% 5% 5%	1/4W 1/4W 1/4W	

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The components identified by shading and mark $\hat{\Delta}$ are critical for safety.

Replace only with part number specified.

 The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• * : Selected to yield optimum performance.

A

,,	PART NO.					REMARK	REF.N	Selecte O. PART	a to yiela d NO.	DESCRIPTION	nce.			REMARK
R328 R329 R330 R333 R334	1-249-414-11 1-249-441-11 1-249-426-11 1-249-429-11 1-249-413-11 1-247-721-11	CARBON CARBON CARBON CARBON CARBON	560 100K 5.6K 10K 470	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R532 R533 R534 R535 R536 R536 R537	1-24 1-24 1-24 1-24	49-438-11 49-417-11 49-410-11 19-419-11 17-722-11 47-726-11	CARBON	56K 1K 270 1.5K 5.6K 33K	5% 5%	1/4W 1/4W 1/4W	F
R340 R341 R342 R344	1-247-721-11 1-249-427-11 1-247-717-11 1-247-717-11 1-215-894-11	CARBON CARBON CARBON METAL OXIDE	4.7K 6.8K 2.2K 2.2K 2.2K 2.2K		1/4W 1/4W 1/4W 1/4W 2W		R539 R540 R541 R542 R543	1-21 1-24 1-24 1-24		METAL Carbon Carbon	10 100 10K 5.6K 27K	1% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W	
R349 R350 R351 R352	1-249-417-11 1-249-437-11 1-247-903-00 1-247-901-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	2.2K 1K 47K 1M 820K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R544 R545 R546 R547 R548	1-24 1-24 1-24	19-429-11 17-754-11 19-415-11 19-429-11 19-437-11	CARBON CARBON CARBON CARBON CARBON	10K 1.5K 680 10K 47K	5% 5% 5% 5%	1/4W 1/2W 1/4W 1/4W 1/4W	F
R364	1-249-437-11	CARBON METAL OXIDE CARBON CARBON CARBON	47K 1K	5% 5%	1/4W 3W 1/4W 1/4W		R549 R550 *R551 R552 R553	1-24 1-24	9-415-91 9-440-11 9-437-11 7-713-11 9-413-11	CARBON CARBON CARBON CARBON CARBON	680 82K 47K 1K 470	5% 5% 5% 5%	1/4W 1/4W	F
R371 R375 R378	1-249-429-11 1-249-434-11 1-215-894-11 1-215-894-11 1-215-894-11 1-249-419-11	METAL OXIDE	1K 1K 10K 27K 2.2K 2.2K	5% 5%	2W 2W	E E	R554 **R555 R556 R557 R558	1-25	9-429-11 9-413-11 6-371-00 9-871-15 9-407-11	CARBON CARBON METAL OXIDE CARBON CARBON	10K 470 1.5 6.8M 150	5 %	1/4W 1/4W 2W 1/4W 1/4W	F
R381 A R382 R385 R386 R387	1-202-830-00 1-249-436-11 1-249-439-11 1-249-462-11	SOLID CARBON CARBON CARBON	10K 39K	10% 5%	1/6W 1/2W 1/4W 1/4W 1/4W		R560 R561 R562 R563	1-24 1-24 1-21 1-24	9-417-11 7-719-11 7-717-11 5-880-00 9-436-11	CARBON	1K 3.3K 2.2K 10 39K	5% 5%	1/4W	7
R389 R390 R391 R392 R501	1-249-414-11 1-247-721-11 1-249-441-11 1-249-429-11 1-216-458-11	CARBON CARBON CARBON METAL OXIDE	68K 22K 560 4.7K 100K 10K		1/4W 1/4W 1/4W 1/4W 2W 2W	F	R568	1-24 1-24 <u>↑1-21</u> <u>↑1-24</u>	9-433-11 9-441-11 7-895-00 6-373-51 9-448-51	CARBON CARBON CARBON METAL OXIDE CARBON	1.2	5% 5% 5%	1/4W 1/4W 1/4W 2W 1/4W	P Personal
R502 R503 R504 R505 R506 R507	1-216-458-11 1-249-405-11 1-249-414-11 1-215-472-00 1-247-702-11 1-249-426-11	CARBON CARBON METAL CARBON	10K 1.8K 1.8K 100 560 130K 150 5.6K		1/4W 1/4W		R571	1-21 1-24 1-24	9-423-11 5-918-51 7-700-11 9-423-11 7-722-11	CARBON CARBON	3.3K 1.5K 100 3.3K 5.6K	5% 5%	1/4W 3W 1/4W 1/4W 1/4W	Production of the second of th
R508	1-249-420-11 1-249-437-11 1-249-434-11 1-249-422-11 1-249-411-11 1-215-472-00	CARBON	47K 27K 2.7K 330 130K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W 1/6W		R 578	∆i-ži	6-345-11 9-434-11 9-389-11 5-860-11 5-880-91	METAL OXIDE	27K 4.7	5% 5%	1/4W 1/4W 1W 2W	
R514 R515 R516 R517 R519	1-215-459-00 1-215-441-00 1-249-428-11 1-247-713-11 1-249-424-11	METAL METAL CARBON CARBON CARBON	39K 6.8K 8.2K 1K 3.9K	1% 1% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W		R580 R581 R582 R583 R584	▲1-21 1-24 1-21 1-21		METAL OXIDE CARBON METAL OXIDE METAL OXIDE METAL OXIDE	47 470 82 82 1.8K	5% 5% 5% 5%	10	F F
R521 R522 R523 R524 R525	1-247-887-00 1-249-421-11 1-249-417-11 1-247-713-11 1-249-419-11	CARBON CARBON CARBON CARBON CARBON	220K 2.2K 1K 1K 1.5K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R588 R589	1-21 A1-21 1-24	6-458-11 6-429-00 6-434-91 7-696-11 9-441-11	CARBON CARBON	1.8K 270 1.8K 47	5% 5%	1/4W 1/4W	F
R526 R527 R528 R529 R530 R531	1-249-431-11 1-249-417-11 1-249-429-11 1-249-423-11 1-249-433-11 1-246-535-00	CARBON CARBON CARBON CARBON CARBON CARBON	15K 1K 10K 3.3K 22K 390K	55% 55% 55% 55%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	·	R591 R592 R593 R598 R599 R601	▲1-24 1-21 ▲1-24 1-24	6-345-91 9-448-51 6-374-00 9-389-91 9-419-11 2-726-00	METAL OXIDE CARBON METAL OXIDE CARBON CARBON SOLID	1.2 2.7 4.7 1.5K 3.9M	5% 5% 5% 5%	2W	F. Comments of the state of the

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REMARK REF.NO. PART NO. DESCRIPTION 5% 5% 5% 10% 5% WIREWOUND 1.8 20W 1/4W WIREWOUND 220 270K F CARBON WIREWOUND 100 2W 1W 3.3K METAL OXIDE R613 1-249-437-11 R614 1-249-425-11 R615 A.1-216-463-91 R616 A.1-247-719-51 R617 A.1-249-401-91 47K 1/4W CARBON 5%% 5%% 5%% 5%% 4.7K 12K 1/4W CARBON 2W 1/4W 1/4W METAL OXIDE 3.3K 47 CARBON CARBON R618 1-247-895-00 R619 1-216-482-11 R620 1-216-482-11 R621 1-216-482-11 R650 1-205-702-11 1/4W CARBON 470K METAL OXIDE METAL OXIDE 1.8K 1.8K 1.8K 36 3₩ ãW WIREWOUND 20W F <VARIABLE RESISTOR> RV201 1-238-015-11 RV291 1-238-010-11 RV307 1-238-011-11 RV501 1-228-728-00 RV502 1-238-020-11 RES, ADJ, CARBON 4.7K RES, ADJ, CARBON 330 RES, ADJ, CARBON 470 RES, ADJ, CERAMIC CARBON 100K RES, ADJ, CARBON 100K 1-238-017-11 1-238-017-11 1-238-019-11 1-238-010-11 RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 47K RES, ADJ, CARBON 330 RES, ADJ, CARBON 1K RV505 RV506 RV507 RV508 1-238-012-11 <RELAY> RY601A 1-515-573-12 RELAY, POWER <SWITCH> S501 1-554-186-00 SWITCH, LEVER <SPARK GAP> SG501 1-519-422-11 GAP, SPARK <TRANSFORMER> T101 1-404-538-11 COIL
T201 1-427-462-11 TRANSFORMER, SOUND OUTPUT
T299 1-427-462-11 TRANSFORMER, SOUND OUTPUT
T501 1-437-079-00 TRANSFORMER, HORIZONTAL DRIVE
T502 1-421-794-11 TRANSFORMER, FERRITE (PMT) T599 A 1-421-857-11 TRANSFORMER, FERRITE
T601 A.1-421-357-31 TRANSFORMER, LINE FILTER <THERMISTOR> THP601A.1-808-081-13 THERMISTOR, POSITIVE <CRYSTAL> 1-567-192-11 OSCILLATOR, CERAMIC 1-567-505-11 OSCILLATOR, CRYSTAL X101 X301 ********************

The components identified by shading and mark \triangle are critical for safety. Replace only with part number

specified.

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Ne les remplacer que par une piece portant le numero specifie. piece portant le numero specifie.

RK	REF.NO. PART NO.	DESCRIPTION REMARK
	* 1-62 4 -988-11	MI BOARD
		PIN, CONNECTOR 5P GUIDE, LIGHT
	<di< th=""><th>ODE></th></di<>	ODE>
	D801 8-719-311-89 *4-368-519-00 D802 8-719-311-89 *4-368-519-00 D803 8-719-311-89	HOLDER (3 GANG), LED; D801 DIODE SEL1222R-C HOLDER (3 GANG), LED; D802
		HOLDER (3 GANG), LED; D803 DIODE SEL1222R-C
	<10	>
	IC801 8-741-148-33	IC SBX1483-59
	<sw< th=""><th>ITCH></th></sw<>	ITCH>
	\$801 1-554-937-11 \$802 1-554-937-11 \$803 1-554-937-11 \$804 1-554-937-11 \$805 1-554-937-11	SWITCH, KEY BOARD SWITCH, KEY BOARD
	\$806 1-554-937-11 \$808 ∆ .1-554-937-11	SWITCH, KEY BOARD SWITCH, KEY BOARD (POWER)
	*******	*****************
	*1-624-989-11	M2 BOARD *******
	*1-566-058-11 *1-566-061-11	PIN, CONNECTOR 6P PIN, CONNECTOR 9P
	<di< th=""><th>ODE></th></di<>	ODE>
	D804 8-719-911-19	DIODE 188119
	<re< th=""><th>SISTOR></th></re<>	SISTOR>
	R801 1-249-429-11 R802 1-249-430-11 R803 1-249-428-11	CARBON 10K 5% 1/4W CARBON 12K 5% 1/4W CARBON 8.2K 5% 1/4W
. S. j	< V A	RIABLE RESISTOR>
	RV801 1-237-999-11 RV802 1-237-999-11 RV803 1-237-999-11 RV804 1-237-999-11	RES, VAR, CARBON 20KX4 RES, VAR, CARBON 20KX4 RES, VAR, CARBON 20KX4 RES, VAR, CARBON 20KX4
i !	<sw< th=""><th>ITCH></th></sw<>	ITCH>
**	\$809 1-554-303-21 \$810 1-554-303-21 \$811 1-554-303-21 \$812 1-571-399-11 \$813 1-571-399-11	SWITCH, KEY BOARD SWITCH, KEY BOARD SWITCH, KEY BOARD SWITCH, ROTARY SWITCH, ROTARY
1	S814 1-571-399-11	SWITCH, ROTARY

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	preceporante matter opcome												
		. PART NO.	DESCRIPTION				REF.NO	. PART NO.	DESCRIPTION			REMARK	
		*A-1330-838-A	C BOARD, COM	****			R719	1-249-405-11 1-249-418-11	CARBON CARBON CARBON	100 5% 1.2K 5% 470 5%	1/4W 1/4W 1/4W		
		1-526-798-51 *4-379-160-01 *4-379-167-01	COVER (REAR)	JID), CV			R723	1-249-413-11 1-206-692-61 1-249-414-11	METAL OXIDE	15K 5% 560 5%	2W 1/4W	Facility of	
		<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R725 R726 R727</td><td>1-249-422-11 1-249-405-11 1-249-418-11</td><td>CARBON CARBON CARBON</td><td>2.7K 5% 100 5% 1.2K 5%</td><td>1/4W 1/4W 1/4W</td><td></td><td></td></con<>	NECTOR>				R725 R726 R727	1-249-422-11 1-249-405-11 1-249-418-11	CARBON CARBON CARBON	2.7K 5% 100 5% 1.2K 5%	1/4W 1/4W 1/4W		
	C1 C2 C3	*1-506-371-00 *1-508-768-00 *1-566-058-11	PIN, CONNECT	OR (5MM PITC	H) 6P		R728 R729 R730	1-249-413-11 1-249-409-11 1-206-692-61	CARBON CARBON METAL OXIDE	470 5% 220 5% 15K 5%	1/4W 1/4W 2W	F.	
		<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>R732 R733</td><td>1-249-411-11 1-249-422-11</td><td></td><td>330 5% 2.7K 5%</td><td>1/4W 1/4W</td><td></td><td></td></cap<>	ACITOR>				R732 R733	1-249-411-11 1-249-422-11		330 5% 2.7K 5%	1/4W 1/4W		
	C701 C702 C704 C705 C706	1-136-601-11 1-162-115-00 1-124-915-11 1-102-116-00 1-102-116-00	CERAMIC ELECT CERAMIC	0.01MF 330PF 10MF 680PF 680PF	10% 10% 20% 10% 10%	630V 2KV 63V 50V 50V	R737 R738	1-249-425-11 1-249-405-11 1-206-692-61 1-202-848-00 1-202-838-00	CARBON METAL OXIDE SOLID	4.7K 5% 100 5% 15K 5% 680K 10% 100K 10%	1/4W 1/4W 2W 1/2W 1/2W	F wheels	
	C707 C708	1-102-116-00 1-102-110-00	CERAMIC CERAMIC	680PF 220PF	10% 10%	50V 50V	R740	1-202-842-11	SOLID	220K 10%	1/2₩		
	C709 C710	1-102-110-00 1-102-110-00	CERAMIC CERAMIC	220PF 220PF	10% 10%	50V 50V 50V	<variable resistor=""></variable>						
	C711 C722	1-101-004-00 1-162-622-11		0.01MF 330PF	10%	6.3KV	RV702	1-230-619-11 1-228-992-11 1-228-993-00 1-228-992-11	RES, ADJ, CA RES. ADJ. CA	RBON 4.7K	ON ALL	Agus Agus	
<diode></diode>					RV705	1-228-993-00	RES, ADJ, CA	RBON 4.7K					
	D701 D702 D703	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119				RV707 RV708	1-228-993-00 1-228-995-00 1-230-641-11	RES, ADJ, CA RES, ADJ, ME	RBON 22K TAL GLAZE 2.			
	<coil></coil>						***********			******	*******		
	L701	1-408-417-00	INDUCTOR	47UH				*A-1394-132-A	*********				
		<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>Ì. </td><td><cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td></cap<></td></tra<>	NSISTOR>				Ì. 	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>				
	Q701 Q702 Q703 Q704 Q705	8-729-119-78 8-729-326-11 8-729-119-78 8-729-326-11 8-729-119-78	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SC2611 SC2785-HFE SC2611			C1406	1-124-604-00 1-124-119-00 1-101-004-00 1-126-101-11 1-101-004-00	CERAMIC ELECT	330MF 330MF 0.01MF 100MF 0.01MF	20% 20% 20%	10V 16V 50V 16V 50V	
	Q7 06	8-729-326-11	TRANSISTOR 2	SC2611			C1409 C1423	1-126-101-11 1-106-375-12	ELECT Mylar	100MF 0.022MF	20% 10%	16V 100V	
			ISTOR>				C1424 C1426 C1427	1-106-375-12	MYLAR MYLAR MYLAR	0.0068MF 0.022MF 0.0068MF	10% 10% 10%	100V 100V 100V	
	R701 R702 R703 R704 R705	1-202-838-00 1-216-397-11 1-202-842-11 1-202-846-00 1-202-837-00	SOLID METAL OXIDE SOLID SOLID SOLID	100K 10% 4.7 5% 220K 10% 470K 10% 82K 10%	1/2W 3W 1/2W 1/2W 1/2W	F	C1430, C1431 C1432 C1436 C1437		CERAMIC ELECT ELECT ELECT ELECT	0.0022MF 1MF 1MF 10MF 10MF	20% 20% 20% 20% 20%	400V 50V 50V 50V 50V	
	R706 R707 R708 R709 R710	1-202-549-00 1-202-842-11 1-202-824-00 1-202-824-00 1-247-700-11	SOLID SOLID SOLID SOLID SOLID	100 10% 220K 10% 3.3K 10% 3.3K 10% 100 5%	1/2W 1/2W 1/2W 1/2W 1/4W		C1438 C1439 C1442 C1446 C1447	1-123-875-11 1-123-875-11 1-126-233-11 1-123-875-11 1-123-875-11	ELECT ELECT ELECT ELECT ELECT	10MF 10MF 22MF 10MF 10MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	
	R710 R711 R712 R713 R714	1-247-700-11 1-249-409-11 1-249-409-11 1-202-824-00 1-249-421-11	SOLID CARBON CARBON SOLID CARBON	100 10% 220 5% 220 5% 3.3K 10% 2.2K 5%	1/4W 1/4W 1/4W 1/2W 1/4W		C1449 C1450 C1451 C1452	1-126-101-11 1-124-499-11 1-124-499-11 1-102-121-00	ELECT ELECT ELECT CERAMIC	100MF 1MF 1MF 0.0022MF	20% 20% 20% 10%	16V 50V 50V 50V 50V	
	R715 R716	1-249-422-11 1-249-414-11	CARBON CARBON	2.7K 5% 560 5%	1/4W 1/4W		C1453	1-102-125-00 1-126-103-11	CERAMIC ELECT	0.0047MF 470MF	10% 20%	16V	



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REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO	. PART NO.	DESCRIPTIO) N -			REMARK
C1467 1-124-768-11 C1468 1-124-768-11 C1469 1-123-875-11	ወ፤ ወ ሮጥ	4.7MF	20% 20% 20%	50V 50V 50V	R1462 R1463	1-249-438-1 1-249-431-1	1 CARBON I CARBON	56K 15K	5% 5%	1/4W 1/4W	
C1470 1-124-499-11 C1471 1-124-499-11		1MF 1MF	20% 20%	50V 50V	R1464 R1471 R1472	1-249-431-1 1-247-881-0 1-247-881-0	1 CARBON O CARBON O CARBON	15K 120K 120K	5% 5%	1/4W 1/4W 1/4W	
C1472 1-123-875-11 C1473 1-123-875-11 C1474 1-123-875-11 C1475 1-123-875-11	ELECT ELECT ELECT RI.ECT	10MF 10MF 10MF 10MF 1MF	20% 20% 20% 20%	50V 50V 50V 50V	R1474	1-249-441-1 1-249-441-1 1-249-417-1	1 CARBON	100K 100K		1/4W 1/4W 1/4W	
C1476 1-124-499-11 C1477 1-124-499-11				50V 50V	R1477 R1479 R1480	1-249-405-1 1-249-434-1 1-249-463-1	1 CARBON 1 CARBON 1 CARBON	100 27K 27K	5% 5% 5%	1/4W 1/4W 1/4W	F
C1480 1-123-875-11 C1481 1-123-875-11		IMF 10MF 10MF		50V 50V	D. 10F	1-249-427-1 1-249-433-1 1-249-427-1	* GIDDON	6.8K 22K 6.8K 22K	= 1 /	1/4W 1/4W 1/4W	
<pre></pre>	DDE> DIODE RD6.2E	S-B1			R1490 R1496 R1497	1-249-433-1 1-247-700-1 1-249-441-1	I CARBON I CARBON I CARBON	22K 100 100K	5% 5% 5%	1/4W 1/4W 1/4W	
D1430 8-719-911-19	DIODE ISSI19				R1500 R1501	1-249-417-1 1-249-417-1 1-249-463-1	1 CARBON 1 CARBON	1 K 1 K 27 k	5% 5% 5%	1/4W 1/4W 1/4W	
IC1401A1-235-783-11 IC1402A1-235-784-12	I NSULATED MO	DULE, VIDEO(DULE, AUDIO((IVM-1)		R1504 R1505	1-249-463-1 1-249-391-9	1 CARBON L CARBON	27K 6.8	5% 5%	1/4W 174W	Additional Steel
<pre>CD10 D1401 8-719-109-92 D1430 8-719-911-19 </pre> <pre> C1C1 IC1401A1-235-783-11 IC1402A1-235-784-12 IC1403A1-235-784-12 IC1404A1-235-784-12 IC1405A1-235-784-12 IC1405A1-235-784-12 IC1405A1-235-784-12</pre>	INSULATED NO INSULATED NO INSULATED NO	DULE, AUDIO(DULE, AUDIO(DULE, AUDIO(IAM-1) IAM-1) IAM-1)		R1506 R1507 R1508	1-249-391-9 1-247-885-0 1-249-391-9	L CARBON CARBON CARBON	6.8 180K 6.8	5% 5% 5%	1/4W 1/4W 1/4W	F
IC1407 8-759-000-49 IC1410 8-759-983-38	IC MC14066BC	-G-SNY			R15097	1-249-391-9 1-247-713-1	I CARBON	1 K	5%	1/4W	.
<jac< td=""><td>CK></td><td></td><td></td><td></td><td>R1512 R1513</td><td>1-249-469-1 1-247-713-1 1-249-469-1</td><td>I CARBON I CARBON I CARBON</td><td>100K 1K 100K 33K 33K</td><td>5% 5% 5%</td><td>1/4W 1/4W 1/4W 1/4W</td><td></td></jac<>	CK>				R1512 R1513	1-249-469-1 1-247-713-1 1-249-469-1	I CARBON I CARBON I CARBON	100K 1K 100K 33K 33K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
J1401 1-563-303-21 J1403 1-563-302-11	JACK BLOCK, F JACK BLOCK, F	PIN 3P PIN 2P			R1515	1-249-435-1	CARBON CARBON	33K 100		1/4W 1/4W	
<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>R1517 R1518 R1518</td><td>1-249-405-1 1-249-434-1 1-249-469-1</td><td>CARBON CARBON CARBON</td><td>100 100 27K 100K</td><td>5% 5% 5%</td><td>1/4W 1/4W 1/4W</td><td></td></tra<>	NSISTOR>				R1517 R1518 R1518	1-249-405-1 1-249-434-1 1-249-469-1	CARBON CARBON CARBON	100 100 27K 100K	5% 5% 5%	1/4W 1/4W 1/4W	
IC1405A1-235-784-12 IC1407 8-759-000-49 IC1410 8-759-983-38	TRANSISTOR 29 TRANSISTOR 29 TRANSISTOR 29 TRANSISTOR 29	SA1175-HFE SA1175-HFE SA1175-HFE			R1520 R1521	1-249-469-11	CARBON CARBON	100K	5 %	1/4W 1/4W 1/4W	
Q1443 8-729-119-76 Q1444 8-729-900-89	TRANSISTOR 25	GA1175-HFE			R1527 R1528 R1531	1-249-441-11 1-249-441-11 1-249-465-11	CARBON CARBON CARBON	100K 100K 4.7K 100K 47K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
Q1445 8-729-119-78	TRANSISTOR 25	5C2785-HFE			R1532 R1534	1-249-437-11 1-249-428-11	CARBON CARBON	47K 8.2K	5% 5%	1/4W 1/4W	
11403 1 441 077 11	Childon	04)/6	1/4W		R1535 R1536 R1546	1-249-417-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON	1 K 100 100	5% 5% 5%	1/4W 1/4W 1/4W	
R1409 A1-249-391-91 R1411 A1-249-391-91 R1419 1-247-700-11	CARBON Carbon	6.8 5% 100 5%	1/4W 1/4W	P E	R1547	1-247-700-11	CARBON	100	5%	1/4W	
R1430A.1-202-726-91 SOLID 3.9H 102 1/2W R1436 1-249-466-11 CARBON 56K 5% 1/4W R1438 1-249-466-11 CARBON 56K 5% 1/4W					<connector></connector>						
R1438 1-249-466-11 R1447 1-249-391-91 R1448 1-249-391-91 R1449 1-249-391-91	CARBON	56K 5% 6.8 5% 6.8 5% 6.8 5%	1/4W 1/4W 1/4W 1/4W	P P F	U3 U4	*1-566-057-11 *1-566-060-11	PIN, CONNECT PIN, CONNECT PIN, CONNECT PLUG, CONNEC	OR 5P OR 8P	5MM) 4	Р	
R1450 A1-249-391-91 R1455 1-249-405-11	CARBON	6.8 5% 100 5%	1/4W	C There	*****	*******	********	*****	*****	******	****
R1456 1-247-700-11 R1457 1-247-700-11 R1458 1-249-405-11	CARBON CARBON CARBON	100 5% 100 5% 100 5%	1/4W 1/4W 1/4W		MISCELLANEOUS *********** A. 1-230-940-31 RESISTOR ASSY, HIGH-VOLTAGE						
R1459 1-249-466-11 R1460 1-249-466-11 R1461 1-249-466-11	CARBON CARBON CARBON	56K 5% 56K 5% 56K 5%	1/4W 1/4W 1/4W			. 1-426-350-11 . 1-451-275-11	RESISTOR ASS COIL, DEMAGN DEFLECTION Y MAGNET, DISK	ETIZATI OKE (Y2	ON BPFA)		

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REF.NO.	PART	NO.	DESCRIPTION	REMARK
Δ	1-536 1-536	2-094-00 6-591-61 3-902-21 9-396-11	MAGNET, ROTATABLE DISK; BLOCK, ANTENNA (USA ONLY) BLOCK, ANTENNA (CND ONLY) CORD, POWER (USA ONLY)	
SP902 T504 A	1-50 1-43 1-46	3-771-11	SPEAKER SPEAKER TRANSFORMER ASSY, FLYBAC TUNER, ET (BTP-201A) PICTURE TUBE (A68JHT50X)	

ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION	REMARI
	COMMANDER ASSY (RM-757) CONVERTER (EAC-25) (CND ONLY) CONNECTOR, ANTENNA (USA ONLY) BAG, PROTECTION CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY)	
*4-388-965-02 4-482-537-41 4-482-537-51	INDIVIDUAL CARTON MANUAL, INSTRUCTION MANUAL, INSTRUCTION (CND ONLY)	